

Tidal Analysis of Pressure at LT-A

Depth: 33.0 m

Mooring Number: 3401

File Name: 3401-alh.nc

nobs = 1180, ngood = 1179, record length (days) = 49.17

start time: 28-Mar-1990 21:00:00

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.92e+003, x trend= 0

var(x)= 8936.2792 var(xp)= 8882.109 var(xres)= 55.4979

percent var predicted/var original= 99.4 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	3.4174	4.051	68.14	87.58	0.71
MSF	0.0028219	1.5329	3.608	177.28	137.42	0.18
ALP1	0.0343966	0.4183	0.763	8.05	115.44	0.3
2Q1	0.0357064	0.3804	0.721	336.27	121.69	0.28
*Q1	0.0372185	1.8806	0.899	177.96	25.13	4.4
*O1	0.0387307	11.5045	0.971	188.58	4.28	1.4e+002
NO1	0.0402686	0.6829	0.922	246.95	98.39	0.55
*K1	0.0417807	13.1424	1.026	190.88	4.42	1.6e+002
J1	0.0432929	0.5139	0.751	241.31	91.04	0.47
OO1	0.0448308	0.6232	0.768	251.96	71.57	0.66
UPS1	0.0463430	0.1693	0.475	107.05	170.56	0.13
EPS2	0.0761773	0.1734	1.240	221.29	224.56	0.02
*MU2	0.0776895	5.1464	2.014	354.83	24.22	6.5
*N2	0.0789992	33.0030	1.721	77.96	3.69	3.7e+002
*M2	0.0805114	128.6478	2.089	107.46	0.84	3.8e+003
*L2	0.0820236	7.4002	1.645	143.25	12.24	20
*S2	0.0833333	22.4420	2.067	130.65	4.52	1.2e+002
ETA2	0.0850736	0.0454	0.847	96.58	272.06	0.0029
*MO3	0.1192421	0.6743	0.179	228.79	15.82	14
*M3	0.1207671	0.2794	0.173	124.07	47.34	2.6
*MK3	0.1222921	0.5470	0.174	220.11	20.67	9.9
*SK3	0.1251141	0.3349	0.182	200.16	29.75	3.4
*MN4	0.1595106	0.8654	0.153	329.41	12.32	32
*M4	0.1610228	1.5767	0.142	351.05	5.99	1.2e+002
SN4	0.1623326	0.1780	0.143	233.46	52.28	1.6
*MS4	0.1638447	0.6335	0.149	28.69	12.06	18
S4	0.1666667	0.1024	0.139	185.61	87.95	0.54
2MK5	0.2028035	0.1468	0.123	137.44	50.33	1.4
*2SK5	0.2084474	0.1884	0.127	104.46	35.64	2.2
*2MN6	0.2400221	0.9734	0.347	242.58	21.03	7.9
*M6	0.2415342	1.3550	0.331	268.24	16.24	17
*2MS6	0.2443561	0.6777	0.324	317.63	31.85	4.4
2SM6	0.2471781	0.1758	0.289	4.03	111.14	0.37
3MK7	0.2833149	0.0527	0.047	215.81	54.81	1.3
M8	0.3220456	0.0703	0.064	162.81	53.55	1.2

Tidal Analysis of Pressure at LT-A

Depth: 33.0 m

Mooring Number: 3471

File Name: 3471-alh.nc

nobs = 1204, ngood = 1203, record length (days) = 50.17

start time: 10-Jul-1990 22:00:00

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.94e+003, x trend= 0

var(x)= 9028.5368 var(xp)= 9001.9993 var(xres)= 25.5189

percent var predicted/var original= 99.7 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	0.8161	1.106	124.25	75.32	0.54
MSF	0.0028219	1.5255	1.156	21.39	47.53	1.7
ALP1	0.0343966	0.3004	0.707	158.75	142.70	0.18
2Q1	0.0357064	0.4059	0.678	180.86	98.49	0.36
*Q1	0.0372185	2.0282	0.868	150.18	22.07	5.5
*O1	0.0387307	11.1618	0.819	187.69	4.33	1.9e+002
NO1	0.0402686	1.1655	1.225	164.26	62.68	0.91
*K1	0.0417807	13.9030	0.855	220.90	3.83	2.6e+002
*J1	0.0432929	1.3902	0.786	199.51	33.22	3.1
OO1	0.0448308	0.6937	0.616	219.07	61.21	1.3
UPS1	0.0463430	0.2880	0.482	111.72	129.94	0.36
EPS2	0.0761773	1.0947	1.077	131.35	69.05	1
*MU2	0.0776895	4.3856	1.413	175.29	17.59	9.6
*N2	0.0789992	24.6516	1.508	66.38	3.25	2.7e+002
*M2	0.0805114	130.0189	1.510	108.35	0.60	7.4e+003
*L2	0.0820236	4.3203	0.864	170.40	13.82	25
*S2	0.0833333	20.0349	1.152	158.19	3.93	3e+002
ETA2	0.0850736	0.2609	0.670	196.25	149.38	0.15
*MO3	0.1192421	0.6763	0.193	197.77	18.47	12
M3	0.1207671	0.1816	0.230	137.70	76.71	0.62
*MK3	0.1222921	0.4796	0.200	264.17	26.29	5.8
SK3	0.1251141	0.2496	0.225	310.49	46.10	1.2
*MN4	0.1595106	0.6981	0.251	334.70	23.08	7.7
*M4	0.1610228	1.7417	0.214	351.17	7.35	66
SN4	0.1623326	0.2481	0.222	29.17	61.03	1.2
*MS4	0.1638447	0.6363	0.242	54.02	21.79	6.9
S4	0.1666667	0.0057	0.165	161.32	256.52	0.0012
*2MK5	0.2028035	0.1458	0.069	77.66	32.64	4.5
*2SK5	0.2084474	0.1643	0.083	217.66	27.27	4
*2MN6	0.2400221	0.7140	0.418	224.95	34.31	2.9
*M6	0.2415342	1.6494	0.409	278.85	13.80	16
2MS6	0.2443561	0.5707	0.426	358.16	36.89	1.8
2SM6	0.2471781	0.0576	0.244	40.81	205.51	0.056
3MK7	0.2833149	0.0051	0.024	349.89	232.69	0.045
*M8	0.3220456	0.0818	0.046	258.04	36.68	3.2

Tidal Analysis of Pressure at LT-A

Depth: 33.0 m

Mooring Number: 3581

File Name: 3581-alh.nc

nobs = 2619, ngood = 2619, record length (days) = 109.13

start time: 24-Oct-1990 17:00:00

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.93e+003, x trend= 0

var(x)= 8961.221 var(xp)= 8742.1571 var(xres)= 216.3719

percent var predicted/var original= 97.6 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	2.1998	4.351	248.05	122.84	0.26
MSF	0.0028219	2.3465	5.012	74.83	114.23	0.22
ALP1	0.0343966	0.4334	0.873	205.73	146.75	0.25
2Q1	0.0357064	0.1610	0.838	103.68	200.33	0.037
*Q1	0.0372185	2.2464	1.247	156.47	30.48	3.2
*O1	0.0387307	10.8278	1.366	183.93	6.85	63
NO1	0.0402686	1.6046	2.124	164.03	80.38	0.57
*K1	0.0417807	15.9421	1.266	203.48	4.82	1.6e+002
J1	0.0432929	0.6191	0.857	170.64	103.11	0.52
OO1	0.0448308	0.3472	0.970	264.68	149.35	0.13
UPS1	0.0463430	0.2785	0.683	172.74	171.05	0.17
EPS2	0.0761773	1.0445	1.599	39.47	116.03	0.43
*MU2	0.0776895	4.7233	2.136	54.55	25.69	4.9
*N2	0.0789992	31.9060	2.384	70.23	3.67	1.8e+002
*M2	0.0805114	127.8708	2.016	105.54	0.98	4e+003
*L2	0.0820236	6.0969	1.543	157.64	15.14	16
*S2	0.0833333	17.7682	2.148	140.66	7.46	68
ETA2	0.0850736	0.3418	1.040	146.64	176.51	0.11
*MO3	0.1192421	0.5279	0.222	218.84	23.34	5.7
M3	0.1207671	0.2791	0.218	151.32	43.61	1.6
*MK3	0.1222921	0.5102	0.237	243.04	24.80	4.6
*SK3	0.1251141	0.4692	0.226	342.93	24.48	4.3
*MN4	0.1595106	0.6333	0.220	333.39	18.01	8.3
*M4	0.1610228	1.3551	0.195	345.67	8.99	48
SN4	0.1623326	0.1316	0.202	66.02	101.77	0.43
*MS4	0.1638447	0.4670	0.200	37.08	24.53	5.5
S4	0.1666667	0.1507	0.179	110.60	83.57	0.71
2MK5	0.2028035	0.1616	0.121	109.48	46.25	1.8
2SK5	0.2084474	0.1356	0.108	336.84	61.45	1.6
*2MN6	0.2400221	0.9760	0.314	216.18	16.58	9.7
*M6	0.2415342	1.5015	0.286	259.73	10.46	28
*2MS6	0.2443561	0.4457	0.294	318.47	39.35	2.3
2SM6	0.2471781	0.0570	0.212	61.14	196.38	0.072
3MK7	0.2833149	0.0406	0.045	22.92	78.98	0.83
M8	0.3220456	0.0568	0.052	237.40	54.69	1.2

Tidal Analysis of Pressure at LT-A

Depth: 28.2 m

Mooring Number: 3741

File Name: 3741p-alh.nc

nobs = 872, ngood = 871, record length (days) = 36.33

start time: 12-Feb-1991 21:57:31

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.94e+003, x trend= 0

var(x)= 9250.516 var(xp)= 9143.8323 var(xres)= 100.6154

percent var predicted/var original= 98.8 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
*MM	0.0015122	5.9028	2.715	250.74	24.79	4.7
*MSF	0.0028219	8.7054	2.334	352.23	18.85	14
ALP1	0.0343966	0.2762	0.728	31.23	168.94	0.14
2Q1	0.0357064	0.7961	0.975	63.91	76.15	0.67
*Q1	0.0372185	1.6964	0.930	138.95	28.46	3.3
*O1	0.0387307	12.1439	1.056	187.24	5.25	1.3e+002
NO1	0.0402686	1.2585	1.603	178.30	85.55	0.62
*K1	0.0417807	11.8782	1.087	215.77	4.74	1.2e+002
J1	0.0432929	0.6997	0.884	193.66	80.21	0.63
*OO1	0.0448308	1.9539	0.915	237.70	27.60	4.6
UPS1	0.0463430	0.4851	0.718	20.49	109.57	0.46
*EPS2	0.0761773	1.3723	0.830	121.92	32.25	2.7
*MU2	0.0776895	3.9512	0.909	198.51	14.13	19
*N2	0.0789992	24.6795	0.824	61.98	2.29	9e+002
*M2	0.0805114	129.2852	0.972	106.05	0.46	1.8e+004
*L2	0.0820236	4.1359	0.676	178.52	10.33	37
*S2	0.0833333	26.8978	0.815	151.07	1.83	1.1e+003
ETA2	0.0850736	0.6424	0.577	52.55	64.72	1.2
*MO3	0.1192421	0.5429	0.194	198.72	20.41	7.8
M3	0.1207671	0.1908	0.209	124.42	64.08	0.83
*MK3	0.1222921	0.3398	0.209	269.37	33.62	2.6
SK3	0.1251141	0.1851	0.196	75.61	58.89	0.89
*MN4	0.1595106	0.7209	0.388	345.97	27.50	3.4
*M4	0.1610228	1.4694	0.336	351.58	13.31	19
SN4	0.1623326	0.3916	0.359	19.80	55.31	1.2
*MS4	0.1638447	0.7046	0.352	62.52	29.06	4
S4	0.1666667	0.0968	0.263	163.06	170.79	0.14
2MK5	0.2028035	0.0955	0.145	94.99	102.11	0.44
2SK5	0.2084474	0.1620	0.163	74.51	63.29	0.99
2MN6	0.2400221	0.5635	0.534	198.76	52.61	1.1
*M6	0.2415342	1.4555	0.570	260.56	20.96	6.5
2MS6	0.2443561	0.6611	0.533	326.45	47.05	1.5
2SM6	0.2471781	0.1867	0.387	26.10	144.07	0.23
3MK7	0.2833149	0.0178	0.052	44.60	190.70	0.11
M8	0.3220456	0.0592	0.093	248.28	106.36	0.41

Tidal Analysis of Pressure at LT-A

Depth: 32.0 m

Mooring Number: 3831

File Name: 3831-alh.nc

nobs = 3041, ngood = 3041, record length (days) = 126.71

start time: 11-Jun-1991 22:00:00

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.92e+003, x trend= 0

var(x)= 9155.8897 var(xp)= 9014.301 var(xres)= 139.8576
percent var predicted/var original= 98.5 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	1.5829	2.109	212.88	91.85	0.56
MSF	0.0028219	1.3673	1.981	238.88	98.40	0.48
ALP1	0.0343966	0.2100	0.635	259.26	161.19	0.11
2Q1	0.0357064	0.5042	0.732	180.17	100.54	0.47
*Q1	0.0372185	2.1842	0.955	162.61	24.17	5.2
*O1	0.0387307	11.3305	0.866	182.64	4.45	1.7e+002
NO1	0.0402686	1.2320	1.161	160.14	61.11	1.1
*K1	0.0417807	13.3957	0.837	208.77	4.74	2.6e+002
*J1	0.0432929	1.3994	0.819	219.29	37.23	2.9
OO1	0.0448308	0.4554	0.690	244.91	114.63	0.44
UPS1	0.0463430	0.1117	0.490	354.13	206.72	0.052
EPS2	0.0761773	1.1998	1.569	84.79	93.92	0.58
MU2	0.0776895	2.1731	2.240	100.66	57.78	0.94
*N2	0.0789992	30.8045	2.501	68.04	4.43	1.5e+002
*M2	0.0805114	127.5684	1.995	106.63	0.93	4.1e+003
*L2	0.0820236	5.2841	1.716	168.40	18.68	9.5
*S2	0.0833333	19.8364	2.038	144.67	6.66	95
ETA2	0.0850736	0.0646	1.052	191.41	252.09	0.0038
*MO3	0.1192421	0.6427	0.171	194.18	14.75	14
*M3	0.1207671	0.3463	0.163	142.08	31.80	4.5
*MK3	0.1222921	0.5156	0.160	228.17	17.74	10
SK3	0.1251141	0.1990	0.169	293.48	49.29	1.4
*MN4	0.1595106	0.5917	0.248	326.05	22.93	5.7
*M4	0.1610228	1.6156	0.222	351.52	7.70	53
SN4	0.1623326	0.1722	0.192	109.42	79.98	0.81
*MS4	0.1638447	0.6095	0.216	41.40	21.18	8
S4	0.1666667	0.1070	0.177	104.20	126.97	0.36
2MK5	0.2028035	0.1605	0.129	123.60	55.85	1.6
2SK5	0.2084474	0.1386	0.139	244.53	59.76	0.99
*2MN6	0.2400221	0.9380	0.246	219.59	16.08	15
*M6	0.2415342	1.5419	0.251	273.23	8.99	38
*2MS6	0.2443561	0.6172	0.260	324.12	21.44	5.6
2SM6	0.2471781	0.0578	0.176	1.87	180.42	0.11
3MK7	0.2833149	0.0205	0.059	38.40	164.83	0.12
M8	0.3220456	0.0346	0.072	248.08	139.71	0.23

Tidal Analysis of Pressure at LT-A

Depth: 28.1 m

Mooring Number: 3891

File Name: 3891p-mlh.nc

nobs = 2784, ngood = 2675, record length (days) = 116.00

start time: 16-Oct-1991 22:00:00

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.16e+003, x trend= 0

var(x)= 12230.6089 var(xp)= 9402.7345 var(xres)= 2828.274

percent var predicted/var original= 76.9 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
*MM	0.0015122	29.9094	17.209	112.70	36.25	3
MSF	0.0028219	4.9591	13.569	165.08	165.74	0.13
ALP1	0.0343966	0.1578	1.116	316.99	208.37	0.02
2Q1	0.0357064	0.5040	1.203	128.81	159.91	0.18
*Q1	0.0372185	2.3579	1.355	185.39	32.70	3
*O1	0.0387307	11.5543	1.631	184.93	7.43	50
NO1	0.0402686	0.8404	1.287	190.37	105.04	0.43
*K1	0.0417807	15.7552	1.480	201.82	5.26	1.1e+002
J1	0.0432929	0.7566	1.099	273.65	86.23	0.47
OO1	0.0448308	0.2216	0.929	192.01	205.98	0.057
UPS1	0.0463430	1.0000	1.206	273.37	70.44	0.69
EPS2	0.0761773	0.7968	1.486	54.80	144.34	0.29
*MU2	0.0776895	2.8462	2.004	9.50	45.74	2
*N2	0.0789992	29.9242	2.428	78.46	4.61	1.5e+002
*M2	0.0805114	129.8602	2.248	107.43	0.95	3.3e+003
*L2	0.0820236	6.9931	2.114	155.75	16.50	11
*S2	0.0833333	18.9419	2.240	137.88	7.00	71
ETA2	0.0850736	0.2290	1.221	257.26	224.57	0.035
*MO3	0.1192421	0.5552	0.209	191.95	19.69	7
*M3	0.1207671	0.5411	0.218	111.82	23.33	6.2
*MK3	0.1222921	0.6519	0.197	237.14	19.11	11
*SK3	0.1251141	0.5047	0.211	12.01	22.45	5.7
*MN4	0.1595106	0.6949	0.210	330.97	16.25	11
*M4	0.1610228	1.5640	0.204	356.28	7.39	59
SN4	0.1623326	0.1529	0.207	30.52	77.43	0.55
*MS4	0.1638447	0.5999	0.212	30.08	19.18	8
S4	0.1666667	0.1940	0.211	136.15	59.95	0.85
2MK5	0.2028035	0.0942	0.103	92.90	70.46	0.84
*2SK5	0.2084474	0.2887	0.120	19.91	22.57	5.8
*2MN6	0.2400221	1.0127	0.383	238.11	21.79	7
*M6	0.2415342	1.6447	0.299	262.47	11.03	30
*2MS6	0.2443561	0.6977	0.360	322.03	28.24	3.8
2SM6	0.2471781	0.1089	0.212	167.74	156.64	0.26
*3MK7	0.2833149	0.0887	0.052	42.94	40.08	2.9
*M8	0.3220456	0.1116	0.056	209.46	31.87	3.9

Tidal Analysis of Pressure at LT-A

Depth: 28.0 m

Mooring Number: 4001

File Name: 4001p-alh.nc

nobs = 2701, ngood = 2701, record length (days) = 112.54

start time: 02-Jun-1992 22:00:00

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.92e+003, x trend= 0

var(x)= 9498.6228 var(xp)= 9446.5731 var(xres)= 51.8707

percent var predicted/var original= 99.5 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	0.5990	1.444	208.91	172.58	0.17
MSF	0.0028219	0.5830	1.486	88.76	159.96	0.15
ALP1	0.0343966	0.1912	0.630	79.08	180.75	0.092
2Q1	0.0357064	0.4111	0.702	159.51	127.20	0.34
*Q1	0.0372185	2.3324	0.808	168.22	21.57	8.3
*O1	0.0387307	11.4300	0.818	185.46	4.89	2e+002
*NO1	0.0402686	1.4129	0.708	186.69	27.58	4
*K1	0.0417807	14.3048	0.928	214.10	3.60	2.4e+002
J1	0.0432929	1.1035	0.837	213.68	47.41	1.7
OO1	0.0448308	0.4228	0.649	215.45	116.07	0.42
UPS1	0.0463430	0.0986	0.566	357.60	210.19	0.03
EPS2	0.0761773	0.6303	1.207	109.72	124.62	0.27
*MU2	0.0776895	3.7482	1.891	50.64	28.13	3.9
*N2	0.0789992	34.5052	1.488	80.63	2.95	5.4e+002
*M2	0.0805114	129.7403	1.621	110.22	0.66	6.4e+003
*L2	0.0820236	8.5853	1.962	158.97	12.05	19
*S2	0.0833333	18.3275	1.769	152.53	5.10	1.1e+002
ETA2	0.0850736	0.1988	1.095	347.43	207.88	0.033
*MO3	0.1192421	0.5616	0.170	204.80	16.00	11
*M3	0.1207671	0.3697	0.145	144.25	27.83	6.5
*MK3	0.1222921	0.4595	0.152	256.81	20.68	9.2
*SK3	0.1251141	0.2570	0.169	297.40	33.56	2.3
*MN4	0.1595106	0.8734	0.160	342.28	9.74	30
*M4	0.1610228	1.6173	0.186	1.51	5.54	76
SN4	0.1623326	0.1544	0.136	190.59	67.39	1.3
*MS4	0.1638447	0.6187	0.177	51.17	15.92	12
S4	0.1666667	0.0190	0.117	84.60	235.91	0.026
*2MK5	0.2028035	0.1486	0.071	116.95	27.97	4.3
*2SK5	0.2084474	0.0991	0.068	210.59	38.18	2.2
*2MN6	0.2400221	1.1214	0.237	244.54	12.67	22
*M6	0.2415342	1.4929	0.252	283.78	9.13	35
*2MS6	0.2443561	0.6003	0.247	345.48	19.44	5.9
2SM6	0.2471781	0.0739	0.179	10.11	147.28	0.17
3MK7	0.2833149	0.0075	0.022	41.36	199.06	0.12
*M8	0.3220456	0.0923	0.036	249.97	20.94	6.7

Tidal Analysis of Pressure at LT-A

Depth: 28.0 m

Mooring Number: 4071

File Name: 4071p-alh.nc

nobs = 2898, ngood = 2897, record length (days) = 120.75

start time: 20-Oct-1992 21:59:58

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.99e+003, x trend= 0

var(x)= 10695.8643 var(xp)= 9561.0993 var(xres)= 1136.9864

percent var predicted/var original= 89.4 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	7.5938	14.348	350.13	135.09	0.28
MSF	0.0028219	3.8767	12.872	136.31	197.83	0.091
ALP1	0.0343966	0.0941	1.032	57.19	248.19	0.0083
2Q1	0.0357064	0.9767	1.178	170.98	82.15	0.69
Q1	0.0372185	1.4107	1.208	180.73	58.41	1.4
*O1	0.0387307	11.5577	1.363	186.16	7.66	72
NO1	0.0402686	0.7117	0.925	258.54	102.62	0.59
*K1	0.0417807	16.3170	1.441	203.10	5.37	1.3e+002
J1	0.0432929	0.6324	1.037	224.56	117.76	0.37
OO1	0.0448308	0.3889	0.910	265.80	166.92	0.18
UPS1	0.0463430	0.2922	0.934	190.69	205.94	0.098
EPS2	0.0761773	0.4605	1.310	95.92	186.48	0.12
MU2	0.0776895	1.9992	2.135	321.63	62.29	0.88
*N2	0.0789992	29.1739	2.455	78.71	4.78	1.4e+002
*M2	0.0805114	130.1898	2.213	106.26	0.97	3.5e+003
*L2	0.0820236	6.1806	2.859	149.31	24.86	4.7
*S2	0.0833333	19.4256	2.271	141.05	6.33	73
ETA2	0.0850736	0.5399	1.631	245.21	189.63	0.11
*MO3	0.1192421	0.4095	0.205	218.68	29.96	4
*M3	0.1207671	0.4621	0.206	133.38	27.41	5
*MK3	0.1222921	0.4861	0.225	252.46	27.78	4.7
*SK3	0.1251141	0.5235	0.203	4.95	23.17	6.7
*MN4	0.1595106	0.8030	0.218	353.08	14.83	14
*M4	0.1610228	1.5060	0.187	358.81	8.50	65
SN4	0.1623326	0.1302	0.167	341.68	100.39	0.61
*MS4	0.1638447	0.5363	0.192	46.68	22.07	7.8
S4	0.1666667	0.1398	0.204	107.15	82.61	0.47
2MK5	0.2028035	0.1504	0.133	102.56	47.23	1.3
*2SK5	0.2084474	0.2241	0.109	12.33	33.93	4.2
*2MN6	0.2400221	0.7305	0.269	231.91	22.59	7.4
*M6	0.2415342	1.4561	0.269	265.34	11.52	29
*2MS6	0.2443561	0.5299	0.339	314.14	34.40	2.4
2SM6	0.2471781	0.0966	0.228	150.33	159.72	0.18
3MK7	0.2833149	0.0539	0.066	343.27	62.58	0.67
*M8	0.3220456	0.0700	0.048	175.08	41.95	2.2

Tidal Analysis of Pressure at LT-A

Depth: 29.3 m

Mooring Number: 4131

File Name: 4131p-alh.nc

nobs = 2661, ngood = 2661, record length (days) = 110.88

start time: 25-Feb-1993 17:00:00

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.12e+003, x trend= 0

var(x)= 10229.3754 var(xp)= 10064.4773 var(xres)= 170.9275

percent var predicted/var original= 98.4 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	2.5776	4.027	300.54	92.42	0.41
MSF	0.0028219	2.4941	3.739	229.13	123.31	0.44
ALP1	0.0343966	0.8545	0.801	318.34	70.70	1.1
2Q1	0.0357064	0.2982	0.839	53.86	165.35	0.13
*Q1	0.0372185	1.8385	1.008	152.43	32.47	3.3
*O1	0.0387307	11.6299	1.029	185.70	5.47	1.3e+002
NO1	0.0402686	0.5421	0.649	161.50	74.09	0.7
*K1	0.0417807	13.7005	1.061	192.33	3.97	1.7e+002
J1	0.0432929	1.1327	1.032	213.01	51.75	1.2
OO1	0.0448308	0.7452	0.876	234.40	79.08	0.72
UPS1	0.0463430	0.4027	0.790	337.75	128.86	0.26
EPS2	0.0761773	1.0264	1.493	96.09	100.20	0.47
MU2	0.0776895	2.5394	1.835	98.85	51.14	1.9
*N2	0.0789992	32.6369	2.222	68.03	3.27	2.2e+002
*M2	0.0805114	134.3593	2.247	106.22	0.81	3.6e+003
*L2	0.0820236	9.5102	2.694	155.63	15.01	12
*S2	0.0833333	21.9582	1.726	137.32	5.04	1.6e+002
ETA2	0.0850736	0.2636	1.573	113.61	236.96	0.028
*MO3	0.1192421	0.5728	0.171	217.38	16.40	11
*M3	0.1207671	0.2155	0.149	127.36	42.62	2.1
*MK3	0.1222921	0.3571	0.141	220.27	23.17	6.4
SK3	0.1251141	0.1062	0.139	187.62	75.69	0.58
*MN4	0.1595106	0.9317	0.234	333.87	14.83	16
*M4	0.1610228	1.8979	0.240	2.96	6.80	62
SN4	0.1623326	0.2503	0.227	83.59	54.40	1.2
*MS4	0.1638447	0.7354	0.223	45.48	18.82	11
S4	0.1666667	0.1347	0.206	103.49	108.81	0.43
*2MK5	0.2028035	0.1501	0.074	110.17	29.89	4.1
*2SK5	0.2084474	0.1580	0.078	113.03	25.14	4.1
*2MN6	0.2400221	1.0312	0.173	217.12	11.08	35
*M6	0.2415342	1.6054	0.203	267.49	6.95	63
*2MS6	0.2443561	0.6279	0.214	320.45	19.14	8.6
2SM6	0.2471781	0.1428	0.164	5.58	84.68	0.76
3MK7	0.2833149	0.0066	0.033	76.62	207.82	0.04
*M8	0.3220456	0.1061	0.048	240.09	23.82	5

Tidal Analysis of Pressure at LT-A

Depth: 30.7 m

Mooring Number: 4201

File Name: 4201p-alh.nc

nobs = 2705, ngood = 2705, record length (days) = 112.71

start time: 15-Jun-1993 19:59:59

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.18e+003, x trend= 0

var(x)= 9761.4814 var(xp)= 9705.0543 var(xres)= 56.3906

percent var predicted/var original= 99.4 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	0.7570	1.033	227.58	102.19	0.54
MSF	0.0028219	0.4877	0.960	19.09	139.70	0.26
ALP1	0.0343966	0.1708	0.680	331.72	213.11	0.063
2Q1	0.0357064	0.0665	0.612	105.45	248.58	0.012
*Q1	0.0372185	1.6656	0.921	166.00	31.20	3.3
*O1	0.0387307	11.4403	0.893	184.07	4.54	1.6e+002
*NO1	0.0402686	1.2624	0.743	214.84	31.68	2.9
*K1	0.0417807	13.6173	0.827	212.66	3.96	2.7e+002
J1	0.0432929	1.0242	0.943	189.26	57.94	1.2
OO1	0.0448308	0.5308	0.765	210.58	103.07	0.48
UPS1	0.0463430	0.2048	0.708	29.96	220.63	0.084
EPS2	0.0761773	0.0988	1.060	7.14	253.27	0.0087
MU2	0.0776895	1.7514	1.421	334.46	45.09	1.5
*N2	0.0789992	30.6117	1.677	83.80	3.02	3.3e+002
*M2	0.0805114	131.0763	1.559	108.23	0.63	7.1e+003
*L2	0.0820236	7.0257	1.878	129.95	15.89	14
*S2	0.0833333	19.6568	1.682	148.20	4.71	1.4e+002
ETA2	0.0850736	0.2478	1.165	326.98	230.12	0.045
*MO3	0.1192421	0.4934	0.110	203.81	12.38	20
*M3	0.1207671	0.2459	0.105	127.38	25.92	5.5
*MK3	0.1222921	0.4563	0.093	253.58	12.54	24
*SK3	0.1251141	0.2630	0.102	293.62	26.56	6.6
*MN4	0.1595106	0.8838	0.120	352.63	7.60	54
*M4	0.1610228	1.7208	0.126	358.49	3.62	1.9e+002
SN4	0.1623326	0.1107	0.119	238.96	55.87	0.87
*MS4	0.1638447	0.6271	0.117	45.53	10.71	29
S4	0.1666667	0.0245	0.087	111.81	219.60	0.079
2MK5	0.2028035	0.0862	0.075	142.54	62.95	1.3
2SK5	0.2084474	0.1048	0.087	239.36	49.88	1.4
*2MN6	0.2400221	0.9265	0.245	248.65	14.23	14
*M6	0.2415342	1.6448	0.255	277.45	8.74	42
*2MS6	0.2443561	0.5730	0.255	330.72	25.04	5
2SM6	0.2471781	0.0920	0.166	20.63	143.09	0.31
3MK7	0.2833149	0.0233	0.022	100.09	57.76	1.1
*M8	0.3220456	0.1015	0.034	229.40	17.11	9

Tidal Analysis of Pressure at LT-A

Depth: 29.3 m

Mooring Number: 4281

File Name: 4281p-alh.nc

nobs = 3133, ngood = 3133, record length (days) = 130.54

start time: 05-Oct-1993 14:59:57

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.21e+003, x trend= 0

var(x)= 13501.8582 var(xp)= 9749.8794 var(xres)= 3752.366
 percent var predicted/var original= 72.2 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	13.7759	30.676	143.39	151.05	0.2
MSF	0.0028219	5.8688	29.726	68.44	212.55	0.039
ALP1	0.0343966	0.9993	1.326	118.72	84.27	0.57
2Q1	0.0357064	0.1777	1.241	154.13	225.34	0.021
Q1	0.0372185	2.0913	1.593	185.70	40.12	1.7
*O1	0.0387307	10.6940	1.295	188.29	7.33	68
NO1	0.0402686	1.3212	1.112	231.20	47.65	1.4
*K1	0.0417807	15.2844	1.469	204.94	5.43	1.1e+002
J1	0.0432929	1.0489	1.408	308.33	95.41	0.55
OO1	0.0448308	1.3839	1.477	203.91	61.34	0.88
UPS1	0.0463430	0.5846	1.358	320.82	152.40	0.19
EPS2	0.0761773	0.0947	1.038	289.90	255.57	0.0083
MU2	0.0776895	1.9222	1.451	115.55	53.90	1.8
*N2	0.0789992	30.0424	1.655	71.33	3.25	3.3e+002
*M2	0.0805114	130.1507	1.660	107.11	0.68	6.1e+003
*L2	0.0820236	6.1850	1.736	149.38	15.49	13
*S2	0.0833333	19.4542	1.802	139.12	5.17	1.2e+002
ETA2	0.0850736	0.4413	1.429	183.11	191.33	0.095
MO3	0.1192421	0.3936	0.326	239.62	48.87	1.5
M3	0.1207671	0.2663	0.277	154.09	74.53	0.92
MK3	0.1222921	0.2345	0.316	276.58	79.57	0.55
SK3	0.1251141	0.4459	0.324	350.51	43.70	1.9
*MN4	0.1595106	0.6733	0.256	340.63	21.89	6.9
*M4	0.1610228	1.5466	0.252	351.25	9.73	38
SN4	0.1623326	0.1848	0.225	55.09	81.40	0.68
*MS4	0.1638447	0.6160	0.250	36.31	24.88	6.1
S4	0.1666667	0.1664	0.211	84.03	87.46	0.62
2MK5	0.2028035	0.2351	0.170	100.42	45.35	1.9
2SK5	0.2084474	0.1741	0.156	323.85	67.70	1.2
*2MN6	0.2400221	1.0065	0.269	228.95	14.27	14
*M6	0.2415342	1.5886	0.281	266.68	9.99	32
*2MS6	0.2443561	0.6301	0.307	318.46	27.53	4.2
2SM6	0.2471781	0.1393	0.245	1.08	102.35	0.32
3MK7	0.2833149	0.0454	0.092	202.53	132.35	0.24
M8	0.3220456	0.0777	0.080	171.16	57.42	0.95

Tidal Analysis of Pressure at LT-A

Depth: 30.1 m

Mooring Number: 4301

File Name: 4301p-alh_d1.nc

nobs = 2689, ngood = 2689, record length (days) = 112.04

start time: 15-Feb-1994 17:59:59

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.22e+003, x trend= 0

var(x)= 9864.1136 var(xp)= 9747.7262 var(xres)= 113.3112
percent var predicted/var original= 98.8 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	2.2908	3.254	342.36	89.41	0.5
MSF	0.0028219	2.3995	2.998	241.62	76.04	0.64
ALP1	0.0343966	0.4304	0.849	350.33	120.59	0.26
2Q1	0.0357064	0.6111	0.966	115.40	103.49	0.4
*Q1	0.0372185	2.1723	1.044	160.83	25.59	4.3
*O1	0.0387307	10.7681	1.035	185.14	5.67	1.1e+002
NO1	0.0402686	1.1333	0.835	199.43	41.18	1.8
*K1	0.0417807	12.6732	0.898	198.91	4.84	2e+002
J1	0.0432929	0.8909	0.953	230.69	62.80	0.87
OO1	0.0448308	0.5075	0.998	288.46	136.38	0.26
UPS1	0.0463430	0.1012	0.899	265.55	255.62	0.013
EPS2	0.0761773	0.9234	1.531	69.65	118.12	0.36
*MU2	0.0776895	2.9112	2.009	26.27	36.77	2.1
*N2	0.0789992	33.1278	1.994	79.83	3.65	2.8e+002
*M2	0.0805114	131.0423	1.533	106.88	0.88	7.3e+003
*L2	0.0820236	7.6752	1.856	128.97	14.37	17
*S2	0.0833333	22.2295	2.126	139.94	4.87	1.1e+002
ETA2	0.0850736	0.6545	1.585	84.05	159.90	0.17
*MO3	0.1192421	0.4549	0.165	207.61	20.90	7.6
M3	0.1207671	0.1698	0.141	141.32	57.22	1.5
*MK3	0.1222921	0.3224	0.148	202.34	31.73	4.8
SK3	0.1251141	0.1434	0.160	169.52	66.77	0.8
*MN4	0.1595106	0.8816	0.190	342.22	11.72	22
*M4	0.1610228	1.7390	0.171	357.39	5.25	1e+002
*SN4	0.1623326	0.2538	0.169	161.31	38.39	2.2
*MS4	0.1638447	0.6622	0.177	46.08	15.57	14
S4	0.1666667	0.0179	0.123	142.53	218.98	0.021
*2MK5	0.2028035	0.1390	0.096	135.66	40.48	2.1
*2SK5	0.2084474	0.2700	0.091	99.75	21.07	8.7
*2MN6	0.2400221	1.0571	0.207	236.02	11.07	26
*M6	0.2415342	1.4769	0.203	268.95	7.63	53
*2MS6	0.2443561	0.6252	0.181	317.24	19.59	12
2SM6	0.2471781	0.0746	0.167	340.25	114.28	0.2
3MK7	0.2833149	0.0160	0.034	24.12	153.12	0.23
*M8	0.3220456	0.0825	0.049	236.80	31.47	2.8

Tidal Analysis of Pressure at LT-A

Depth: 31.2 m

Mooring Number: 4401

File Name: 4401p-alh.nc

nobs = 2853, ngood = 2853, record length (days) = 118.88

start time: 07-Jun-1994 14:59:59

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.32e+003, x trend= 0

var(x)= 9584.7734 var(xp)= 9516.7398 var(xres)= 65.233

percent var predicted/var original= 99.3 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	1.7623	2.121	225.75	82.64	0.69
MSF	0.0028219	1.6767	2.059	41.53	77.72	0.66
ALP1	0.0343966	0.5484	0.812	316.36	101.63	0.46
2Q1	0.0357064	0.4986	0.883	104.16	101.11	0.32
*Q1	0.0372185	1.4165	0.915	161.98	38.60	2.4
*O1	0.0387307	11.1812	1.189	185.70	5.13	88
*NO1	0.0402686	1.2681	0.869	203.32	46.17	2.1
*K1	0.0417807	14.1758	0.965	212.79	4.12	2.2e+002
J1	0.0432929	0.7152	1.040	196.06	77.54	0.47
OO1	0.0448308	0.2981	0.928	310.08	174.16	0.1
UPS1	0.0463430	0.5389	1.131	322.27	140.60	0.23
EPS2	0.0761773	0.4530	1.076	120.91	161.56	0.18
MU2	0.0776895	1.8822	1.532	215.47	46.23	1.5
*N2	0.0789992	26.0888	1.424	76.92	3.28	3.4e+002
*M2	0.0805114	130.7281	1.410	107.82	0.70	8.6e+003
*L2	0.0820236	3.6143	1.554	138.55	22.35	5.4
*S2	0.0833333	18.8411	1.455	148.20	4.60	1.7e+002
ETA2	0.0850736	0.3370	1.605	19.73	184.82	0.044
*MO3	0.1192421	0.5711	0.121	204.56	11.50	22
*M3	0.1207671	0.1760	0.112	122.12	34.61	2.5
*MK3	0.1222921	0.4803	0.121	247.84	14.26	16
*SK3	0.1251141	0.2291	0.106	290.23	27.99	4.7
*MN4	0.1595106	0.7380	0.136	345.27	10.00	29
*M4	0.1610228	1.7271	0.143	357.22	4.90	1.5e+002
SN4	0.1623326	0.1834	0.139	24.87	40.13	1.7
*MS4	0.1638447	0.6347	0.164	46.12	12.51	15
S4	0.1666667	0.0541	0.107	186.27	147.13	0.25
*2MK5	0.2028035	0.1418	0.075	111.32	30.39	3.6
*2SK5	0.2084474	0.1418	0.074	252.43	37.47	3.6
*2MN6	0.2400221	0.7083	0.232	242.53	20.16	9.3
*M6	0.2415342	1.6894	0.259	276.97	8.65	43
*2MS6	0.2443561	0.5320	0.257	336.68	28.00	4.3
2SM6	0.2471781	0.0631	0.175	9.05	194.13	0.13
3MK7	0.2833149	0.0129	0.024	262.07	123.15	0.29
*M8	0.3220456	0.0825	0.031	242.48	23.14	7

Tidal Analysis of Pressure at LT-A

Depth: 31.3 m

Mooring Number: 4421

File Name: 4421p-alh.nc

nobs = 2150, ngood = 2149, record length (days) = 89.58

start time: 06-Jul-1994 19:59:58

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.34e+003, x trend= 0

var(x)= 9539.0848 var(xp)= 9430.6567 var(xres)= 108.2846
percent var predicted/var original= 98.9 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	1.4540	4.329	189.52	186.86	0.11
MSF	0.0028219	3.0726	5.447	66.99	114.99	0.32
ALP1	0.0343966	0.6420	0.944	320.08	119.85	0.46
2Q1	0.0357064	0.4947	0.909	97.37	117.00	0.3
Q1	0.0372185	1.5695	1.114	162.32	42.15	2
*O1	0.0387307	10.8648	1.126	186.85	5.95	93
NO1	0.0402686	1.3923	1.004	211.31	39.77	1.9
*K1	0.0417807	12.6840	1.101	216.86	4.69	1.3e+002
J1	0.0432929	0.8163	0.943	196.95	77.32	0.75
OO1	0.0448308	0.1546	0.925	190.93	243.16	0.028
UPS1	0.0463430	0.7079	1.202	344.22	111.24	0.35
EPS2	0.0761773	0.4397	1.188	170.22	149.55	0.14
*MU2	0.0776895	2.4975	1.258	248.17	33.84	3.9
*N2	0.0789992	25.4363	1.425	81.39	3.10	3.2e+002
*M2	0.0805114	129.8840	1.460	108.19	0.53	7.9e+003
*L2	0.0820236	3.2175	1.322	130.57	21.89	5.9
*S2	0.0833333	20.2034	1.366	147.81	3.99	2.2e+002
ETA2	0.0850736	0.3934	1.377	37.35	189.88	0.082
*MO3	0.1192421	0.5748	0.140	203.61	15.75	17
M3	0.1207671	0.1963	0.150	133.18	40.65	1.7
*MK3	0.1222921	0.4882	0.142	247.11	15.83	12
*SK3	0.1251141	0.2085	0.145	297.52	43.55	2.1
*MN4	0.1595106	0.7112	0.128	350.91	12.08	31
*M4	0.1610228	1.7325	0.133	356.48	4.84	1.7e+002
*SN4	0.1623326	0.2186	0.124	349.01	38.65	3.1
*MS4	0.1638447	0.6428	0.126	45.67	11.79	26
S4	0.1666667	0.0742	0.109	193.14	111.60	0.46
*2MK5	0.2028035	0.1324	0.076	107.59	36.33	3
*2SK5	0.2084474	0.1901	0.094	250.51	30.69	4.1
*2MN6	0.2400221	0.6639	0.276	251.46	26.83	5.8
*M6	0.2415342	1.6237	0.285	277.07	9.86	32
*2MS6	0.2443561	0.5695	0.283	336.02	28.75	4
2SM6	0.2471781	0.0764	0.210	359.59	160.38	0.13
3MK7	0.2833149	0.0124	0.035	270.24	163.48	0.12
*M8	0.3220456	0.0753	0.041	235.09	37.21	3.4

Tidal Analysis of Pressure at LT-A

Depth: 30.5 m

Mooring Number: 4451

File Name: 4451p-alh.nc

nobs = 3131, ngood = 3131, record length (days) = 130.46

start time: 04-Oct-1994 15:00:00

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.18e+003, x trend= 0

var(x)= 9820.2448 var(xp)= 9623.4519 var(xres)= 193.0386
percent var predicted/var original= 98.0 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	4.5816	5.122	205.44	66.47	0.8
MSF	0.0028219	1.8021	3.888	259.11	161.12	0.21
ALP1	0.0343966	0.5326	1.217	183.77	147.39	0.19
2Q1	0.0357064	0.1663	1.248	194.20	214.91	0.018
*Q1	0.0372185	2.2890	1.551	174.16	42.00	2.2
*O1	0.0387307	11.6925	1.625	186.83	9.22	52
NO1	0.0402686	1.2480	1.523	206.59	82.34	0.67
*K1	0.0417807	15.0659	1.474	201.09	5.31	1e+002
J1	0.0432929	1.2952	1.366	164.00	76.52	0.9
OO1	0.0448308	0.9519	1.984	141.32	127.30	0.23
UPS1	0.0463430	0.6167	1.709	225.31	206.21	0.13
EPS2	0.0761773	1.1898	1.594	79.40	119.87	0.56
MU2	0.0776895	3.1473	2.239	69.16	39.83	2
*N2	0.0789992	30.8965	2.197	74.95	4.53	2e+002
*M2	0.0805114	128.3048	1.912	106.79	0.94	4.5e+003
*L2	0.0820236	5.5918	1.808	140.89	21.48	9.6
*S2	0.0833333	19.1834	2.219	138.32	6.22	75
ETA2	0.0850736	0.7880	2.419	216.21	169.20	0.11
*MO3	0.1192421	0.4608	0.189	214.76	23.94	5.9
M3	0.1207671	0.0411	0.123	99.01	183.66	0.11
*MK3	0.1222921	0.4691	0.181	247.66	26.75	6.7
*SK3	0.1251141	0.5173	0.193	341.68	20.62	7.2
*MN4	0.1595106	0.6724	0.196	350.55	15.77	12
*M4	0.1610228	1.4661	0.191	4.58	8.57	59
*SN4	0.1623326	0.2966	0.176	87.25	38.37	2.8
*MS4	0.1638447	0.5651	0.213	47.67	18.88	7
S4	0.1666667	0.1481	0.187	125.79	83.56	0.62
2MK5	0.2028035	0.1042	0.079	100.03	41.76	1.7
*2SK5	0.2084474	0.1693	0.084	355.74	33.02	4.1
*2MN6	0.2400221	0.8978	0.263	225.86	15.87	12
*M6	0.2415342	1.3938	0.263	266.63	8.64	28
*2MS6	0.2443561	0.5471	0.277	316.25	23.67	3.9
2SM6	0.2471781	0.1031	0.207	23.52	128.37	0.25
3MK7	0.2833149	0.0054	0.029	66.27	220.11	0.035
*M8	0.3220456	0.0836	0.043	227.98	29.10	3.8

Tidal Analysis of Pressure at LT-A

Depth: 30.0 m

Mooring Number: 4501

File Name: 4501p-alh.nc

nobs = 2845, ngood = 2845, record length (days) = 118.54

start time: 15-Feb-1995

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.3e+003, x trend= 0

var(x)= 9917.9952 var(xp)= 9798.2287 var(xres)= 120.584
percent var predicted/var original= 98.8 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	1.6702	4.061	57.83	135.81	0.17
MSF	0.0028219	1.0953	3.575	32.25	162.00	0.094
ALP1	0.0343966	0.2732	0.876	206.72	197.73	0.097
2Q1	0.0357064	0.5648	0.984	229.04	130.81	0.33
*Q1	0.0372185	2.3754	1.185	158.20	29.90	4
*O1	0.0387307	11.5375	1.134	186.12	5.58	1e+002
NO1	0.0402686	0.9933	1.244	239.00	73.08	0.64
*K1	0.0417807	12.6681	1.248	196.41	5.17	1e+002
J1	0.0432929	0.8613	1.086	187.13	87.51	0.63
OO1	0.0448308	1.0200	1.856	234.15	116.11	0.3
UPS1	0.0463430	0.4877	1.503	310.51	160.86	0.11
EPS2	0.0761773	0.7076	1.390	179.70	140.34	0.26
MU2	0.0776895	2.3309	1.788	340.69	45.29	1.7
*N2	0.0789992	28.9262	1.959	82.02	3.62	2.2e+002
*M2	0.0805114	129.6498	1.636	106.52	0.80	6.3e+003
*L2	0.0820236	4.5722	1.672	143.09	19.67	7.5
*S2	0.0833333	21.0063	1.862	141.30	5.39	1.3e+002
ETA2	0.0850736	1.0525	2.086	114.15	144.73	0.25
*MO3	0.1192421	0.5534	0.189	214.17	19.81	8.6
M3	0.1207671	0.0613	0.115	241.81	132.53	0.28
*MK3	0.1222921	0.3040	0.184	236.88	33.22	2.7
SK3	0.1251141	0.0629	0.158	176.84	161.44	0.16
*MN4	0.1595106	0.8357	0.115	354.62	8.12	52
*M4	0.1610228	1.6752	0.124	359.39	4.79	1.8e+002
SN4	0.1623326	0.0986	0.120	253.84	75.32	0.67
*MS4	0.1638447	0.6844	0.131	42.61	10.57	27
S4	0.1666667	0.0663	0.100	37.81	104.42	0.44
*2MK5	0.2028035	0.1202	0.076	110.30	34.71	2.5
*2SK5	0.2084474	0.1678	0.093	105.21	24.21	3.3
*2MN6	0.2400221	0.8115	0.189	244.25	14.84	18
*M6	0.2415342	1.4059	0.191	265.82	9.15	54
*2MS6	0.2443561	0.5689	0.198	328.88	20.19	8.2
2SM6	0.2471781	0.0984	0.184	344.52	121.83	0.29
3MK7	0.2833149	0.0080	0.027	355.59	170.31	0.086
*M8	0.3220456	0.0689	0.037	219.06	33.78	3.4

Tidal Analysis of Pressure at LT-A

Depth: 28.1 m

Mooring Number: 4601

File Name: 4601p-alh.nc

nobs = 2518, ngood = 2517, record length (days) = 104.92

start time: 13-Jun-1995 14:59:59

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.86e+003, x trend= 0

var(x)= 9722.518 var(xp)= 9657.3801 var(xres)= 65.7628

percent var predicted/var original= 99.3 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	1.7485	2.419	284.45	86.76	0.52
MSF	0.0028219	0.5889	2.171	230.26	177.85	0.074
ALP1	0.0343966	0.2289	0.777	80.63	196.63	0.087
2Q1	0.0357064	0.4803	0.782	64.23	134.27	0.38
*Q1	0.0372185	1.9182	1.141	167.75	31.40	2.8
*O1	0.0387307	11.5896	1.168	185.52	4.96	99
NO1	0.0402686	0.4836	0.983	191.40	114.75	0.24
*K1	0.0417807	14.3216	1.038	215.32	3.83	1.9e+002
J1	0.0432929	1.3428	1.139	231.28	46.95	1.4
OO1	0.0448308	1.2282	1.528	97.61	92.98	0.65
UPS1	0.0463430	0.8101	1.522	331.86	128.87	0.28
EPS2	0.0761773	0.8865	1.251	82.74	107.25	0.5
*MU2	0.0776895	2.8590	1.604	129.80	30.42	3.2
*N2	0.0789992	28.8255	1.640	70.39	2.69	3.1e+002
*M2	0.0805114	129.6212	1.278	107.91	0.63	1e+004
*L2	0.0820236	4.5272	1.357	164.89	15.54	11
*S2	0.0833333	18.4605	1.441	148.31	5.04	1.6e+002
ETA2	0.0850736	0.7824	1.803	313.35	153.44	0.19
*MO3	0.1192421	0.5867	0.178	205.82	18.47	11
M3	0.1207671	0.1495	0.133	95.36	54.45	1.3
*MK3	0.1222921	0.4823	0.181	247.78	19.05	7.1
*SK3	0.1251141	0.2530	0.167	283.82	44.40	2.3
*MN4	0.1595106	0.7383	0.198	337.53	15.45	14
*M4	0.1610228	1.6810	0.196	355.54	6.33	73
SN4	0.1623326	0.2145	0.163	85.39	44.54	1.7
*MS4	0.1638447	0.5820	0.180	43.81	19.64	10
S4	0.1666667	0.0727	0.148	127.47	133.84	0.24
*2MK5	0.2028035	0.1288	0.080	107.56	35.17	2.6
*2SK5	0.2084474	0.1472	0.079	225.14	30.78	3.5
*2MN6	0.2400221	0.7408	0.231	225.05	17.33	10
*M6	0.2415342	1.6168	0.214	279.06	7.58	57
*2MS6	0.2443561	0.4940	0.256	325.66	28.00	3.7
2SM6	0.2471781	0.0536	0.152	277.56	199.62	0.12
3MK7	0.2833149	0.0169	0.025	64.54	90.77	0.45
*M8	0.3220456	0.0684	0.033	241.87	26.95	4.4

Tidal Analysis of Pressure at LT-A

Depth: 27.7 m

Mooring Number: 4621

File Name: 4621p2-alh_dl.nc

nobs = 1544, ngood = 1543, record length (days) = 64.33

start time: 29-Nov-1995 18:59:57

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.89e+003, x trend= 0

var(x)= 9584.968 var(xp)= 9423.9215 var(xres)= 164.7733

percent var predicted/var original= 98.3 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	5.1651	5.485	272.79	56.64	0.89
MSF	0.0028219	1.2357	3.408	56.58	179.64	0.13
ALP1	0.0343966	1.0640	1.672	210.14	121.48	0.41
2Q1	0.0357064	1.1267	1.755	166.64	121.27	0.41
Q1	0.0372185	3.0816	2.266	158.45	44.75	1.8
*O1	0.0387307	11.2760	2.186	184.84	12.12	27
NO1	0.0402686	0.9042	1.931	248.28	132.60	0.22
*K1	0.0417807	17.4535	1.972	207.05	7.69	78
J1	0.0432929	1.4627	2.084	229.70	87.04	0.49
OO1	0.0448308	1.1296	3.436	29.10	147.31	0.11
UPS1	0.0463430	1.5632	3.085	246.25	133.91	0.26
EPS2	0.0761773	1.0921	1.353	62.36	79.19	0.65
*MU2	0.0776895	4.6136	1.340	41.40	17.63	12
*N2	0.0789992	33.5298	1.416	78.13	2.46	5.6e+002
*M2	0.0805114	127.1301	1.480	105.67	0.56	7.4e+003
*L2	0.0820236	5.1653	1.210	151.97	12.44	18
*S2	0.0833333	18.6048	1.424	144.53	4.96	1.7e+002
ETA2	0.0850736	1.3060	2.106	288.73	100.25	0.38
*MO3	0.1192421	0.5890	0.300	191.51	25.97	3.9
M3	0.1207671	0.0360	0.162	344.80	195.13	0.049
*MK3	0.1222921	0.6111	0.264	246.09	25.57	5.4
*SK3	0.1251141	0.6802	0.261	350.77	22.60	6.8
*MN4	0.1595106	0.7144	0.277	335.10	20.94	6.6
*M4	0.1610228	1.3758	0.247	352.36	10.38	31
SN4	0.1623326	0.2484	0.245	96.79	62.80	1
*MS4	0.1638447	0.4995	0.234	50.62	30.75	4.5
S4	0.1666667	0.2266	0.228	152.77	78.81	0.99
2MK5	0.2028035	0.1025	0.149	118.93	89.65	0.48
*2SK5	0.2084474	0.2703	0.165	19.26	41.25	2.7
*2MN6	0.2400221	1.1016	0.286	231.67	15.02	15
*M6	0.2415342	1.2911	0.299	263.85	14.15	19
*2MS6	0.2443561	0.4777	0.308	320.43	40.23	2.4
2SM6	0.2471781	0.0937	0.265	352.02	183.35	0.13
3MK7	0.2833149	0.0398	0.055	73.16	95.02	0.52
*M8	0.3220456	0.0907	0.052	244.13	38.42	3

Tidal Analysis of Pressure at LT-A

Depth: 31.1 m

Mooring Number: 4651

File Name: 4651p-alh.nc

nobs = 2828, ngood = 2827, record length (days) = 117.83

start time: 14-Feb-1996 17:59:59

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.86e+003, x trend= 0

var(x)= 9975.2569 var(xp)= 9837.4758 var(xres)= 138.9362
percent var predicted/var original= 98.6 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	2.5157	2.896	341.11	76.67	0.75
MSF	0.0028219	0.8799	2.495	348.77	189.52	0.12
ALP1	0.0343966	0.4427	1.180	155.15	147.85	0.14
2Q1	0.0357064	0.8717	1.165	315.54	94.01	0.56
Q1	0.0372185	1.9825	1.484	192.20	42.64	1.8
*O1	0.0387307	12.2192	1.342	182.89	6.90	83
NO1	0.0402686	0.7767	1.182	161.84	94.16	0.43
*K1	0.0417807	12.5052	1.421	199.53	6.72	77
J1	0.0432929	1.2217	1.421	221.22	63.68	0.74
OO1	0.0448308	1.6126	2.220	241.84	83.74	0.53
UPS1	0.0463430	0.9571	2.044	222.15	130.71	0.22
EPS2	0.0761773	0.8676	1.538	60.53	117.65	0.32
MU2	0.0776895	0.9824	1.648	284.72	106.96	0.36
*N2	0.0789992	25.4614	1.889	75.04	4.34	1.8e+002
*M2	0.0805114	129.4679	2.000	106.80	0.94	4.2e+003
*L2	0.0820236	3.1226	1.609	151.95	27.74	3.8
*S2	0.0833333	20.8127	1.862	139.81	5.10	1.2e+002
ETA2	0.0850736	0.2553	2.288	169.12	246.83	0.012
*MO3	0.1192421	0.7064	0.195	224.97	13.41	13
M3	0.1207671	0.0151	0.109	320.45	221.31	0.019
*MK3	0.1222921	0.3569	0.168	223.52	26.93	4.5
SK3	0.1251141	0.0708	0.146	151.29	131.94	0.24
*MN4	0.1595106	0.6718	0.181	344.16	12.33	14
*M4	0.1610228	1.6016	0.195	354.85	6.13	68
SN4	0.1623326	0.1799	0.159	23.51	55.25	1.3
*MS4	0.1638447	0.5483	0.202	49.05	17.38	7.4
S4	0.1666667	0.0886	0.150	118.91	119.92	0.35
2MK5	0.2028035	0.0622	0.079	126.58	73.39	0.61
*2SK5	0.2084474	0.2289	0.090	121.42	20.42	6.5
*2MN6	0.2400221	0.6161	0.197	229.37	20.57	9.8
*M6	0.2415342	1.5410	0.242	267.93	6.92	41
*2MS6	0.2443561	0.4831	0.209	323.70	27.97	5.3
2SM6	0.2471781	0.1236	0.195	5.22	103.17	0.4
3MK7	0.2833149	0.0240	0.034	127.59	90.00	0.49
*M8	0.3220456	0.0772	0.038	228.38	27.59	4.2

Tidal Analysis of Pressure at LT-A

Depth: 29.3 m

Mooring Number: 4701

File Name: 4701p-alh_d1.nc

nobs = 2706, ngood = 2705, record length (days) = 112.75

start time: 11-Jun-1996 17:00:00

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.87e+003, x trend= 0

var(x)= 9934.3433 var(xp)= 9849.6403 var(xres)= 85.0022

percent var predicted/var original= 99.1 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	1.9318	3.125	301.27	95.70	0.38
MSF	0.0028219	1.2420	2.265	154.59	135.24	0.3
ALP1	0.0343966	0.7449	1.074	164.39	100.92	0.48
2Q1	0.0357064	0.3516	1.043	255.29	160.97	0.11
*Q1	0.0372185	2.9166	1.258	169.22	25.27	5.4
*O1	0.0387307	11.5813	1.284	183.06	6.82	81
NO1	0.0402686	0.2474	0.742	107.60	191.49	0.11
*K1	0.0417807	13.4528	1.194	214.21	4.67	1.3e+002
J1	0.0432929	0.6846	1.009	229.45	106.93	0.46
OO1	0.0448308	0.5062	1.481	147.93	165.77	0.12
UPS1	0.0463430	0.4263	1.476	79.67	175.33	0.083
EPS2	0.0761773	1.4295	1.566	121.52	64.23	0.83
*MU2	0.0776895	2.9802	1.536	73.84	32.14	3.8
*N2	0.0789992	31.3589	1.416	75.87	2.81	4.9e+002
*M2	0.0805114	128.5564	1.364	107.82	0.71	8.9e+003
*L2	0.0820236	5.4808	1.557	171.43	17.19	12
*S2	0.0833333	18.4996	1.718	146.14	4.85	1.2e+002
ETA2	0.0850736	0.1285	1.770	195.07	262.84	0.0053
*MO3	0.1192421	0.5398	0.142	202.24	18.57	15
M3	0.1207671	0.0644	0.099	327.17	107.49	0.42
*MK3	0.1222921	0.4902	0.134	248.58	17.20	13
*SK3	0.1251141	0.2179	0.133	272.54	35.00	2.7
*MN4	0.1595106	0.8311	0.178	335.96	10.77	22
*M4	0.1610228	1.7064	0.152	355.99	6.14	1.3e+002
SN4	0.1623326	0.2559	0.194	112.09	36.48	1.7
*MS4	0.1638447	0.6143	0.206	40.40	17.37	8.9
S4	0.1666667	0.0674	0.133	145.18	154.68	0.26
*2MK5	0.2028035	0.1376	0.072	134.00	32.61	3.6
2SK5	0.2084474	0.1111	0.081	224.32	46.47	1.9
*2MN6	0.2400221	1.0096	0.202	232.86	11.06	25
*M6	0.2415342	1.5267	0.195	275.22	7.45	62
*2MS6	0.2443561	0.5966	0.200	335.93	20.09	8.9
2SM6	0.2471781	0.1140	0.154	18.88	117.54	0.54
3MK7	0.2833149	0.0098	0.026	319.70	156.50	0.14
*M8	0.3220456	0.0917	0.034	235.43	21.62	7.1

Tidal Analysis of Pressure at LT-A

Depth: 31.5 m

Mooring Number: 4791

File Name: 4791tcp-alh.nc

nobs = 1362, ngood = 1361, record length (days) = 56.75

start time: 01-Oct-1996 13:10:12

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.37e+003, x trend= 0

var(x)= 9555.0323 var(xp)= 9417.1488 var(xres)= 141.0262

percent var predicted/var original= 98.6 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	6.2135	5.190	10.59	44.31	1.4
MSF	0.0028219	6.2592	5.379	210.98	46.03	1.4
ALP1	0.0343966	1.3570	1.726	133.50	102.91	0.62
2Q1	0.0357064	0.4884	1.651	70.17	174.98	0.087
Q1	0.0372185	1.1909	1.668	180.63	101.82	0.51
*O1	0.0387307	11.7661	1.972	187.28	9.53	36
NO1	0.0402686	1.3564	1.543	140.19	77.21	0.77
*K1	0.0417807	12.9656	1.980	183.10	7.94	43
J1	0.0432929	1.7035	1.908	203.76	76.10	0.8
OO1	0.0448308	2.5956	2.983	295.75	67.52	0.76
UPS1	0.0463430	0.6322	2.228	108.44	188.03	0.08
EPS2	0.0761773	1.4346	1.194	193.77	58.11	1.4
*MU2	0.0776895	2.3561	1.283	245.81	32.26	3.4
*N2	0.0789992	23.3149	1.394	71.30	3.07	2.8e+002
*M2	0.0805114	127.8520	1.346	107.70	0.54	9e+003
*L2	0.0820236	2.8521	1.342	193.65	26.68	4.5
*S2	0.0833333	21.5750	1.435	125.89	3.69	2.3e+002
ETA2	0.0850736	2.6450	2.490	124.61	50.88	1.1
*MO3	0.1192421	0.4759	0.252	235.58	30.99	3.6
M3	0.1207671	0.1028	0.161	313.64	103.63	0.41
*MK3	0.1222921	0.4655	0.198	238.20	27.46	5.5
*SK3	0.1251141	0.4565	0.228	285.64	32.57	4
*MN4	0.1595106	0.5230	0.288	342.17	34.00	3.3
*M4	0.1610228	1.5029	0.301	357.60	10.00	25
SN4	0.1623326	0.2386	0.273	5.99	71.39	0.76
*MS4	0.1638447	0.7246	0.292	19.91	26.66	6.2
S4	0.1666667	0.1973	0.255	81.23	86.82	0.6
2MK5	0.2028035	0.0866	0.115	87.31	81.65	0.57
*2SK5	0.2084474	0.2114	0.134	264.38	38.04	2.5
*2MN6	0.2400221	0.5973	0.369	211.58	35.82	2.6
*M6	0.2415342	1.6537	0.327	267.49	12.37	26
*2MS6	0.2443561	0.7179	0.328	292.63	30.55	4.8
2SM6	0.2471781	0.1000	0.293	250.36	181.28	0.12
3MK7	0.2833149	0.0282	0.046	273.23	132.91	0.37
*M8	0.3220456	0.0744	0.051	229.86	38.75	2.1

Tidal Analysis of Pressure at LT-A

Depth: 26.8 m

Mooring Number: 4801

File Name: 4801p-alh_d1.nc

nobs = 3112, ngood = 3111, record length (days) = 129.67

start time: 01-Oct-1996 18:59:59

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.86e+003, x trend= 0

var(x)= 9439.498 var(xp)= 9238.4751 var(xres)= 200.2105
percent var predicted/var original= 97.9 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	2.9656	4.479	337.39	117.85	0.44
MSF	0.0028219	2.6362	4.340	191.05	112.18	0.37
ALP1	0.0343966	0.0714	1.164	115.74	273.53	0.0038
2Q1	0.0357064	0.2945	1.129	80.63	182.78	0.068
Q1	0.0372185	1.5955	1.485	175.49	62.48	1.2
*O1	0.0387307	11.0639	1.705	186.66	8.55	42
NO1	0.0402686	0.6333	1.154	171.15	125.25	0.3
*K1	0.0417807	15.2961	1.923	198.80	5.99	63
J1	0.0432929	1.6660	1.695	195.29	52.56	0.97
OO1	0.0448308	0.7167	1.930	225.39	160.35	0.14
UPS1	0.0463430	1.4242	2.456	97.75	111.96	0.34
EPS2	0.0761773	0.9716	1.627	154.41	121.04	0.36
MU2	0.0776895	1.3829	1.863	321.86	79.43	0.55
*N2	0.0789992	26.3126	1.919	78.88	4.30	1.9e+002
*M2	0.0805114	127.3456	1.962	106.44	0.79	4.2e+003
*L2	0.0820236	4.2404	1.832	160.53	27.02	5.4
*S2	0.0833333	19.2611	2.069	135.34	6.50	87
ETA2	0.0850736	0.8037	2.157	125.01	169.62	0.14
*MO3	0.1192421	0.6582	0.210	232.81	20.86	9.8
M3	0.1207671	0.0588	0.138	309.58	138.71	0.18
*MK3	0.1222921	0.5202	0.184	234.84	23.91	8
*SK3	0.1251141	0.4304	0.240	328.81	26.57	3.2
*MN4	0.1595106	0.5819	0.149	346.69	13.80	15
*M4	0.1610228	1.4274	0.144	352.33	6.00	98
SN4	0.1623326	0.0411	0.111	274.91	163.86	0.14
*MS4	0.1638447	0.5801	0.143	35.25	14.53	16
S4	0.1666667	0.1041	0.139	125.68	87.37	0.56
2MK5	0.2028035	0.1087	0.102	123.10	53.08	1.1
2SK5	0.2084474	0.1481	0.110	320.26	44.29	1.8
*2MN6	0.2400221	0.7517	0.270	228.25	19.87	7.7
*M6	0.2415342	1.5707	0.274	263.77	8.88	33
*2MS6	0.2443561	0.5644	0.259	307.32	24.36	4.8
2SM6	0.2471781	0.0379	0.185	328.53	224.57	0.042
3MK7	0.2833149	0.0151	0.035	315.78	134.84	0.19
*M8	0.3220456	0.0708	0.036	226.78	33.37	3.9

Tidal Analysis of Pressure at LT-A

Depth: 27.4 m

Mooring Number: 4951

File Name: 4951p-alh_d1.nc

nobs = 2830, ngood = 2829, record length (days) = 117.92

start time: 12-Feb-1997 15:00:00

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.86e+003, x trend= 0

var(x)= 9795.3755 var(xp)= 9639.4868 var(xres)= 158.521

percent var predicted/var original= 98.4 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	2.8557	4.957	355.52	118.20	0.33
MSF	0.0028219	1.1094	5.352	292.02	191.50	0.043
ALP1	0.0343966	0.6130	1.152	175.99	133.51	0.28
2Q1	0.0357064	0.3052	1.011	9.65	189.91	0.091
Q1	0.0372185	1.8369	1.327	151.38	43.22	1.9
*O1	0.0387307	11.2967	1.378	183.07	6.96	67
*NO1	0.0402686	1.5850	1.031	165.00	41.38	2.4
*K1	0.0417807	12.6899	1.285	195.25	5.96	98
J1	0.0432929	0.9946	1.157	166.99	71.13	0.74
OO1	0.0448308	0.6023	1.491	243.20	181.47	0.16
UPS1	0.0463430	0.8125	1.393	116.49	129.44	0.34
EPS2	0.0761773	0.7042	1.336	177.45	136.06	0.28
MU2	0.0776895	1.2596	1.670	70.98	81.76	0.57
*N2	0.0789992	28.2598	1.616	69.02	3.14	3.1e+002
*M2	0.0805114	127.9937	1.726	106.07	0.72	5.5e+003
*L2	0.0820236	5.9824	1.867	185.68	19.42	10
*S2	0.0833333	21.8770	1.769	139.89	4.77	1.5e+002
ETA2	0.0850736	0.9550	2.084	91.35	155.54	0.21
*MO3	0.1192421	0.6500	0.200	238.47	21.80	11
M3	0.1207671	0.1836	0.147	258.46	53.28	1.6
MK3	0.1222921	0.2441	0.193	219.78	46.38	1.6
SK3	0.1251141	0.1652	0.189	234.09	69.29	0.77
*MN4	0.1595106	0.5883	0.222	333.22	16.86	7
*M4	0.1610228	1.5025	0.189	349.75	7.32	63
SN4	0.1623326	0.2436	0.210	38.02	50.01	1.3
*MS4	0.1638447	0.6819	0.219	30.75	17.82	9.7
S4	0.1666667	0.1020	0.180	85.97	136.63	0.32
2MK5	0.2028035	0.0603	0.085	87.57	93.72	0.5
*2SK5	0.2084474	0.2783	0.104	98.14	22.59	7.1
*2MN6	0.2400221	0.8195	0.173	215.96	12.92	23
*M6	0.2415342	1.3182	0.178	267.37	8.39	55
*2MS6	0.2443561	0.6054	0.209	312.18	20.50	8.4
2SM6	0.2471781	0.0454	0.145	312.72	157.75	0.098
3MK7	0.2833149	0.0348	0.038	80.28	64.81	0.86
*M8	0.3220456	0.0658	0.036	248.00	31.63	3.4

Tidal Analysis of Pressure at LT-A

Depth: 27.4 m

Mooring Number: 5011

File Name: 5011p-alh_d1.nc

nobs = 2516, ngood = 2515, record length (days) = 104.83

start time: 10-Jun-1997 14:59:59

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.86e+003, x trend= 0

var(x)= 9653.9052 var(xp)= 9606.426 var(xres)= 47.046

percent var predicted/var original= 99.5 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	0.3440	2.059	113.92	192.53	0.028
MSF	0.0028219	0.4002	1.944	171.01	202.32	0.042
ALP1	0.0343966	0.0111	0.632	37.78	264.09	0.00031
2Q1	0.0357064	0.3662	0.772	310.17	150.08	0.22
*Q1	0.0372185	2.0398	0.986	172.95	27.49	4.3
*O1	0.0387307	11.8703	1.030	184.60	4.56	1.3e+002
NO1	0.0402686	0.7570	0.611	198.01	52.45	1.5
*K1	0.0417807	14.8244	0.884	214.10	3.35	2.8e+002
J1	0.0432929	0.5395	0.789	167.34	105.65	0.47
OO1	0.0448308	0.7690	1.142	205.83	102.42	0.45
UPS1	0.0463430	0.4656	1.091	239.12	153.78	0.18
EPS2	0.0761773	0.6120	0.887	65.28	103.79	0.48
*MU2	0.0776895	2.1082	1.080	15.11	31.33	3.8
*N2	0.0789992	29.0637	1.035	83.68	2.17	7.9e+002
*M2	0.0805114	128.0301	1.210	107.84	0.54	1.1e+004
*L2	0.0820236	6.0917	1.294	157.96	14.14	22
*S2	0.0833333	17.1514	1.190	148.92	3.91	2.1e+002
ETA2	0.0850736	0.3469	1.425	117.11	185.75	0.059
*MO3	0.1192421	0.7132	0.133	203.43	13.15	29
M3	0.1207671	0.1082	0.103	350.07	63.92	1.1
*MK3	0.1222921	0.4939	0.140	240.44	14.74	12
*SK3	0.1251141	0.2586	0.157	288.69	29.03	2.7
*MN4	0.1595106	0.7679	0.119	348.84	9.05	41
*M4	0.1610228	1.5848	0.117	353.89	4.01	1.8e+002
SN4	0.1623326	0.0870	0.111	188.89	80.54	0.62
*MS4	0.1638447	0.4907	0.123	46.84	14.58	16
S4	0.1666667	0.0341	0.082	48.26	189.61	0.17
*2MK5	0.2028035	0.1173	0.065	110.90	33.16	3.3
*2SK5	0.2084474	0.1123	0.072	239.20	35.46	2.4
*2MN6	0.2400221	0.7846	0.206	252.69	14.61	14
*M6	0.2415342	1.5303	0.199	274.89	7.68	59
*2MS6	0.2443561	0.4144	0.198	339.63	26.31	4.4
2SM6	0.2471781	0.0572	0.170	2.46	185.66	0.11
3MK7	0.2833149	0.0094	0.022	54.21	162.29	0.18
*M8	0.3220456	0.0869	0.035	245.00	21.37	6.3

Tidal Analysis of Pressure at LT-A

Depth: 27.4 m

Mooring Number: 5071

File Name: 5071p-alh_d1.nc

nobs = 3109, ngood = 3109, record length (days) = 129.54

start time: 23-Sep-1997 16:00:00

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.87e+003, x trend= 0

var(x)= 9356.0157 var(xp)= 9147.585 var(xres)= 203.5592

percent var predicted/var original= 97.8 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	0.4273	3.344	125.79	247.15	0.016
MSF	0.0028219	3.1265	4.194	214.84	88.76	0.56
ALP1	0.0343966	0.4102	1.305	57.67	188.36	0.099
2Q1	0.0357064	0.3628	1.287	258.47	192.51	0.079
Q1	0.0372185	1.7975	1.553	171.54	58.56	1.3
*O1	0.0387307	10.8996	1.826	185.45	8.79	36
NO1	0.0402686	0.6854	0.934	163.21	93.22	0.54
*K1	0.0417807	14.7385	1.708	197.90	6.05	74
J1	0.0432929	1.6307	1.473	220.93	61.59	1.2
OO1	0.0448308	0.5708	1.576	245.86	174.10	0.13
UPS1	0.0463430	1.3812	2.084	273.84	106.27	0.44
EPS2	0.0761773	1.2444	1.300	140.27	73.36	0.92
MU2	0.0776895	0.8108	1.157	203.40	94.04	0.49
*N2	0.0789992	26.1134	1.439	69.40	2.90	3.3e+002
*M2	0.0805114	126.5116	1.353	106.67	0.64	8.7e+003
*L2	0.0820236	5.7716	1.759	184.13	14.46	11
*S2	0.0833333	19.5673	1.311	136.03	4.50	2.2e+002
ETA2	0.0850736	0.4149	1.608	128.77	181.40	0.067
*MO3	0.1192421	0.5467	0.222	237.61	24.87	6.1
M3	0.1207671	0.0947	0.147	184.92	113.51	0.42
*MK3	0.1222921	0.4610	0.201	242.88	24.43	5.3
*SK3	0.1251141	0.5841	0.192	315.57	21.00	9.3
*MN4	0.1595106	0.5088	0.134	354.10	16.67	14
*M4	0.1610228	1.3375	0.162	358.84	6.09	68
SN4	0.1623326	0.0638	0.126	39.08	124.89	0.26
*MS4	0.1638447	0.4896	0.150	42.47	17.67	11
S4	0.1666667	0.1242	0.141	100.77	72.86	0.77
*2MK5	0.2028035	0.1525	0.095	102.35	29.68	2.6
*2SK5	0.2084474	0.2181	0.095	324.92	23.45	5.3
*2MN6	0.2400221	0.7546	0.212	214.74	17.61	13
*M6	0.2415342	1.4122	0.196	261.68	8.39	52
*2MS6	0.2443561	0.4979	0.219	312.75	27.26	5.2
2SM6	0.2471781	0.1307	0.189	338.14	92.55	0.48
3MK7	0.2833149	0.0252	0.035	72.26	90.61	0.52
M8	0.3220456	0.0485	0.035	220.42	52.01	2

Tidal Analysis of Pressure at LT-A

Depth: 29.5 m

Mooring Number: 5161

File Name: 5161var-alh_d1.nc

nobs = 3046, ngood = 3045, record length (days) = 126.92

start time: 10-Feb-1998 15:58:08

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.87e+003, x trend= 0

var(x)= 9611.6394 var(xp)= 9365.4623 var(xres)= 250.6635

percent var predicted/var original= 97.4 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	3.2936	3.846	269.74	80.67	0.73
MSF	0.0028219	1.0077	3.378	237.04	180.84	0.089
ALP1	0.0343966	1.2122	1.668	120.51	88.88	0.53
2Q1	0.0357064	1.1621	1.439	359.71	90.15	0.65
Q1	0.0372185	0.9908	1.705	202.32	110.95	0.34
*O1	0.0387307	11.2173	1.835	189.91	9.83	37
NO1	0.0402686	1.1276	1.401	107.89	75.41	0.65
*K1	0.0417807	11.7388	1.599	195.43	9.72	54
J1	0.0432929	0.3619	1.390	68.23	173.66	0.068
OO1	0.0448308	0.7715	1.841	358.52	139.92	0.18
UPS1	0.0463430	1.4155	2.155	346.28	121.82	0.43
EPS2	0.0761773	1.4592	1.562	109.89	73.03	0.87
*MU2	0.0776895	2.6467	1.525	52.66	39.48	3
*N2	0.0789992	29.4741	1.627	70.32	3.72	3.3e+002
*M2	0.0805114	127.1480	1.657	106.38	0.73	5.9e+003
*L2	0.0820236	6.6096	2.013	157.96	15.36	11
*S2	0.0833333	21.4330	1.724	140.46	4.36	1.5e+002
ETA2	0.0850736	1.0091	2.010	142.98	142.85	0.25
MO3	0.1192421	0.4247	0.392	189.21	62.63	1.2
M3	0.1207671	0.1340	0.251	352.23	132.08	0.28
*MK3	0.1222921	0.6080	0.395	228.48	38.06	2.4
SK3	0.1251141	0.0492	0.280	98.33	220.64	0.031
*MN4	0.1595106	0.8514	0.157	342.91	9.99	29
*M4	0.1610228	1.7224	0.154	351.94	4.80	1.2e+002
SN4	0.1623326	0.1664	0.154	132.79	54.24	1.2
*MS4	0.1638447	0.6470	0.176	46.21	14.97	14
S4	0.1666667	0.0377	0.125	15.30	199.37	0.092
2MK5	0.2028035	0.0958	0.089	106.35	67.23	1.2
*2SK5	0.2084474	0.2009	0.095	99.95	33.50	4.4
*2MN6	0.2400221	0.8423	0.158	219.51	10.51	29
*M6	0.2415342	1.3125	0.174	261.05	6.83	57
*2MS6	0.2443561	0.5300	0.175	317.53	18.63	9.2
2SM6	0.2471781	0.0794	0.134	35.90	128.64	0.35
3MK7	0.2833149	0.0263	0.035	86.91	97.50	0.57
*M8	0.3220456	0.0805	0.036	231.25	24.04	5

Tidal Analysis of Pressure at LT-A

Depth: 29.9 m

Mooring Number: 5301

File Name: 5301Bvar-alh_dl.nc

nobs = 657, ngood = 657, record length (days) = 27.38

start time: 03-Sep-1998 02:58:07

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.88e+003, x trend= 0

var(x)= 9816.3814 var(xp)= 8807.5905 var(xres)= 837.8267

percent var predicted/var original= 89.7 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MSF	0.0028219	0.7309	2.302	254.39	199.11	0.1
*O1	0.0387307	11.0142	2.252	181.55	11.06	24
*K1	0.0417807	9.5763	2.024	210.62	12.11	22
OO1	0.0448308	1.5717	2.604	268.80	96.62	0.36
*M2	0.0805114	127.8049	19.216	108.39	10.00	44
S2	0.0833333	24.3308	19.148	138.69	52.22	1.6
*MO3	0.1192421	0.5577	0.350	255.18	34.32	2.5
M3	0.1207671	0.2786	0.262	149.16	47.82	1.1
*MK3	0.1222921	0.4635	0.283	305.54	44.32	2.7
*SK3	0.1251141	0.5624	0.281	273.07	31.77	4
*M4	0.1610228	1.5277	0.495	349.84	17.99	9.5
MS4	0.1638447	0.6291	0.471	42.71	47.34	1.8
S4	0.1666667	0.3156	0.460	94.18	90.71	0.47
2MK5	0.2028035	0.1325	0.146	100.41	68.92	0.82
*2SK5	0.2084474	0.3497	0.160	253.01	27.87	4.8
M6	0.2415342	1.3365	1.035	279.80	45.14	1.7
2MS6	0.2443561	0.7300	0.753	317.10	86.35	0.94
2SM6	0.2471781	0.0885	0.701	192.75	239.87	0.016
3MK7	0.2833149	0.0819	0.094	227.96	79.88	0.76
M8	0.3220456	0.0907	0.087	215.72	51.66	1.1

Tidal Analysis of Pressure at LT-A

Depth: 28.6 m

Mooring Number: 5401

File Name: 5401var-alh_d1.nc

nobs = 3114, ngood = 3113, record length (days) = 129.75

start time: 30-Sep-1998 13:58:07

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.86e+003, x trend= 0

var(x)= 9747.8414 var(xp)= 9583.9108 var(xres)= 162.4995
percent var predicted/var original= 98.3 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	3.4038	3.373	104.67	52.12	1
MSF	0.0028219	1.8690	2.560	152.52	93.54	0.53
ALP1	0.0343966	0.7313	1.162	136.04	115.00	0.4
2Q1	0.0357064	0.2277	1.161	277.32	216.86	0.038
Q1	0.0372185	2.4124	1.812	172.52	33.22	1.8
*O1	0.0387307	11.7219	1.506	186.09	8.23	61
NO1	0.0402686	1.0701	1.219	182.80	69.48	0.77
*K1	0.0417807	15.1729	1.536	200.49	5.77	98
J1	0.0432929	1.0540	1.467	248.81	85.67	0.52
OO1	0.0448308	1.5486	1.825	223.01	83.76	0.72
UPS1	0.0463430	0.9290	1.704	104.89	129.57	0.3
EPS2	0.0761773	0.8795	1.357	135.67	101.98	0.42
*MU2	0.0776895	2.8602	1.436	66.70	32.04	4
*N2	0.0789992	30.1600	1.524	68.22	3.03	3.9e+002
*M2	0.0805114	126.4404	1.508	106.36	0.80	7e+003
*L2	0.0820236	6.7022	1.695	168.16	14.31	16
*S2	0.0833333	19.1050	1.840	134.86	5.05	1.1e+002
ETA2	0.0850736	0.7678	1.671	157.88	162.34	0.21
*MO3	0.1192421	0.7094	0.215	211.87	18.17	11
M3	0.1207671	0.0955	0.140	200.58	92.59	0.46
*MK3	0.1222921	0.5014	0.189	241.20	20.83	7
*SK3	0.1251141	0.5352	0.204	311.96	21.22	6.9
*MN4	0.1595106	0.5463	0.151	341.99	17.49	13
*M4	0.1610228	1.3681	0.175	350.22	6.86	61
*SN4	0.1623326	0.2308	0.157	74.84	43.97	2.2
*MS4	0.1638447	0.5412	0.150	38.75	17.37	13
S4	0.1666667	0.1776	0.175	131.42	55.20	1
*2MK5	0.2028035	0.2055	0.101	110.31	31.92	4.2
2SK5	0.2084474	0.1436	0.115	312.83	47.28	1.6
*2MN6	0.2400221	0.8450	0.199	219.24	14.14	18
*M6	0.2415342	1.2862	0.191	268.39	10.49	45
*2MS6	0.2443561	0.5253	0.177	316.62	24.34	8.8
2SM6	0.2471781	0.1073	0.167	0.04	118.00	0.42
3MK7	0.2833149	0.0439	0.043	109.74	65.03	1
*M8	0.3220456	0.0585	0.038	247.26	41.17	2.4

Tidal Analysis of Pressure at LT-A

Depth: 27.0 m

Mooring Number: 5521

File Name: 5521var-alh_d1.nc

nobs = 2121, ngood = 2119, record length (days) = 88.38

start time: 10-Feb-1999 14:58:07

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.89e+003, x trend= 0

var(x)= 9609.0474 var(xp)= 9505.1148 var(xres)= 102.6713
 percent var predicted/var original= 98.9 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	2.7119	3.816	233.88	100.83	0.5
MSF	0.0028219	1.7621	3.687	203.81	138.44	0.23
ALP1	0.0343966	0.8255	1.275	200.57	82.62	0.42
2Q1	0.0357064	0.1007	0.963	238.81	260.54	0.011
*Q1	0.0372185	1.8798	1.195	187.77	38.55	2.5
*O1	0.0387307	11.5115	1.488	185.62	7.58	60
NO1	0.0402686	0.9305	1.166	264.86	82.79	0.64
*K1	0.0417807	11.2405	1.350	204.98	7.32	69
J1	0.0432929	0.6081	1.027	241.04	121.18	0.35
OO1	0.0448308	0.4099	1.318	201.74	177.90	0.097
UPS1	0.0463430	0.5885	1.223	355.79	152.84	0.23
EPS2	0.0761773	0.8519	1.227	305.05	109.23	0.48
*MU2	0.0776895	3.2773	1.673	312.39	24.69	3.8
*N2	0.0789992	27.4801	1.531	80.48	3.37	3.2e+002
*M2	0.0805114	128.7147	1.452	106.86	0.61	7.9e+003
*L2	0.0820236	5.4660	1.576	144.81	14.79	12
*S2	0.0833333	23.6164	1.701	143.77	4.04	1.9e+002
ETA2	0.0850736	0.4256	1.233	122.22	192.46	0.12
*MO3	0.1192421	0.5766	0.205	217.41	21.56	7.9
M3	0.1207671	0.0688	0.139	142.24	125.54	0.24
MK3	0.1222921	0.2649	0.201	231.84	38.87	1.7
SK3	0.1251141	0.0195	0.149	213.33	240.41	0.017
*MN4	0.1595106	0.7608	0.171	353.56	11.90	20
*M4	0.1610228	1.5953	0.154	353.12	5.49	1.1e+002
SN4	0.1623326	0.0812	0.112	232.31	122.52	0.53
*MS4	0.1638447	0.7839	0.159	42.75	11.13	24
S4	0.1666667	0.1520	0.144	135.94	62.25	1.1
2MK5	0.2028035	0.0728	0.111	112.23	104.53	0.43
*2SK5	0.2084474	0.2479	0.144	109.42	36.13	2.9
*2MN6	0.2400221	0.7065	0.218	247.57	16.44	11
*M6	0.2415342	1.3733	0.212	266.32	9.29	42
*2MS6	0.2443561	0.5575	0.275	327.36	25.02	4.1
2SM6	0.2471781	0.1024	0.203	28.48	113.59	0.25
3MK7	0.2833149	0.0309	0.039	357.16	106.74	0.64
*M8	0.3220456	0.0922	0.050	233.31	32.42	3.4

Tidal Analysis of Pressure at LT-A

Depth: 32.0 m

Mooring Number: 5692

File Name: 5692Bvar-alh_d1.nc

nobs = 2384, ngood = 2383, record length (days) = 99.33

start time: 10-Jun-1999 21:58:08

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.87e+003, x trend= 0

var(x)= 9688.453 var(xp)= 9630.873 var(xres)= 54.0836

percent var predicted/var original= 99.4 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	0.8036	1.707	48.12	129.22	0.22
MSF	0.0028219	0.3601	1.596	240.74	207.31	0.051
ALP1	0.0343966	0.2888	0.697	43.87	149.40	0.17
2Q1	0.0357064	0.3082	0.725	148.29	147.04	0.18
*Q1	0.0372185	1.9222	0.936	168.70	29.05	4.2
*O1	0.0387307	11.8632	1.054	183.66	4.89	1.3e+002
NO1	0.0402686	0.3095	0.827	147.15	161.29	0.14
*K1	0.0417807	15.4950	0.980	213.05	3.20	2.5e+002
*J1	0.0432929	1.4568	0.900	190.16	38.96	2.6
OO1	0.0448308	0.4603	1.016	229.40	127.69	0.21
UPS1	0.0463430	0.2940	1.135	302.21	200.73	0.067
EPS2	0.0761773	0.9895	1.315	89.91	82.09	0.57
*MU2	0.0776895	2.0469	1.447	144.68	38.25	2
*N2	0.0789992	27.4912	1.438	66.77	2.71	3.7e+002
*M2	0.0805114	128.4332	1.435	107.51	0.62	8e+003
*L2	0.0820236	5.6606	1.209	169.24	13.05	22
*S2	0.0833333	16.9003	1.659	148.16	5.45	1e+002
ETA2	0.0850736	0.4531	1.227	235.76	159.55	0.14
*MO3	0.1192421	0.6853	0.145	208.27	14.12	22
M3	0.1207671	0.1421	0.148	137.58	65.26	0.92
*MK3	0.1222921	0.5842	0.131	249.06	15.08	20
*SK3	0.1251141	0.2646	0.150	255.28	35.25	3.1
*MN4	0.1595106	0.6334	0.159	344.64	14.06	16
*M4	0.1610228	1.6627	0.169	354.22	5.60	97
*SN4	0.1623326	0.2312	0.150	59.98	43.28	2.4
*MS4	0.1638447	0.5827	0.160	44.01	15.98	13
S4	0.1666667	0.0383	0.116	244.01	188.98	0.11
2MK5	0.2028035	0.0719	0.080	117.78	63.90	0.8
*2SK5	0.2084474	0.1189	0.082	234.86	39.23	2.1
*2MN6	0.2400221	0.7157	0.218	218.42	17.16	11
*M6	0.2415342	1.5338	0.197	278.20	8.13	61
*2MS6	0.2443561	0.4123	0.194	333.21	32.25	4.5
2SM6	0.2471781	0.0910	0.188	25.43	119.41	0.24
3MK7	0.2833149	0.0166	0.025	226.75	110.53	0.44
*M8	0.3220456	0.0735	0.035	240.92	30.16	4.3

Tidal Analysis of Pressure at LT-A

Depth: 30.5 m

Mooring Number: 5912

File Name: 5912var-alh_d2.nc

nobs = 814, ngood = 813, record length (days) = 33.92

start time: 21-Sep-1999 16:58:07

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.88e+003, x trend= 0

var(x)= 9688.566 var(xp)= 9600.3588 var(xres)= 66.7681

percent var predicted/var original= 99.1 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
*MM	0.0015122	4.6842	3.016	5.90	32.03	2.4
MSF	0.0028219	4.4266	3.182	245.42	39.61	1.9
ALP1	0.0343966	1.5466	1.980	276.63	83.52	0.61
2Q1	0.0357064	0.8595	1.717	120.63	133.02	0.25
Q1	0.0372185	2.0679	2.019	180.61	55.51	1
*O1	0.0387307	10.4978	2.253	185.72	12.86	22
NO1	0.0402686	1.3556	2.249	213.39	116.97	0.36
*K1	0.0417807	9.4060	2.088	196.51	12.37	20
J1	0.0432929	1.1387	1.690	210.44	110.52	0.45
OO1	0.0448308	2.3204	2.559	215.25	75.94	0.82
UPS1	0.0463430	1.7416	2.744	61.24	91.41	0.4
EPS2	0.0761773	0.8236	0.780	164.32	52.92	1.1
*MU2	0.0776895	2.9954	0.828	294.84	16.60	13
*N2	0.0789992	26.7404	0.830	84.25	1.73	1e+003
*M2	0.0805114	129.0481	0.939	106.99	0.40	1.9e+004
*L2	0.0820236	4.9276	0.790	157.81	8.98	39
*S2	0.0833333	23.5373	0.887	134.80	2.02	7e+002
ETA2	0.0850736	1.0094	0.913	57.64	53.94	1.2
*MO3	0.1192421	0.4556	0.191	217.44	26.41	5.7
M3	0.1207671	0.2254	0.168	125.66	52.71	1.8
*MK3	0.1222921	0.2978	0.210	240.50	41.80	2
*SK3	0.1251141	0.3458	0.237	287.43	36.32	2.1
*MN4	0.1595106	0.6269	0.232	357.81	23.36	7.3
*M4	0.1610228	1.5879	0.218	349.34	8.17	53
SN4	0.1623326	0.0973	0.208	77.77	135.17	0.22
*MS4	0.1638447	0.8081	0.253	29.61	18.41	10
S4	0.1666667	0.0163	0.181	31.23	266.40	0.0081
2MK5	0.2028035	0.1195	0.154	114.15	81.77	0.6
2SK5	0.2084474	0.2355	0.172	298.41	43.06	1.9
*2MN6	0.2400221	0.8158	0.389	256.88	29.34	4.4
*M6	0.2415342	1.6323	0.340	267.08	14.98	23
*2MS6	0.2443561	0.7051	0.398	320.20	31.73	3.1
2SM6	0.2471781	0.0881	0.300	259.78	168.31	0.086
3MK7	0.2833149	0.0293	0.067	97.26	122.90	0.19
M8	0.3220456	0.0273	0.061	230.78	146.13	0.2

Tidal Analysis of Pressure at LT-A

Depth: 28.0 m

Mooring Number: 6112

File Name: 6112tp-alh.nc

nobs = 2005, ngood = 2005, record length (days) = 83.54

start time: 15-Feb-2000 16:58:07

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.96e+003, x trend= 0

var(x)= 10144.3937 var(xp)= 10029.6245 var(xres)= 129.6287

percent var predicted/var original= 98.9 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	4.1844	6.431	136.10	105.63	0.42
MSF	0.0028219	2.0079	5.030	16.54	157.55	0.16
ALP1	0.0343966	0.5769	0.921	188.79	122.71	0.39
2Q1	0.0357064	0.6062	0.920	187.76	99.68	0.43
*Q1	0.0372185	1.6672	1.155	174.10	38.92	2.1
*O1	0.0387307	11.9640	1.188	187.73	5.46	1e+002
NO1	0.0402686	2.3253	2.177	168.43	54.25	1.1
*K1	0.0417807	11.3589	1.042	203.14	6.54	1.2e+002
J1	0.0432929	0.3208	0.756	201.22	168.47	0.18
OO1	0.0448308	0.9605	1.271	201.80	91.32	0.57
UPS1	0.0463430	0.4096	1.113	134.72	165.26	0.14
EPS2	0.0761773	0.4924	1.309	109.22	168.69	0.14
MU2	0.0776895	2.1371	1.646	248.01	48.16	1.7
*N2	0.0789992	24.5900	1.821	69.90	3.88	1.8e+002
*M2	0.0805114	132.3163	1.811	106.48	0.89	5.3e+003
*L2	0.0820236	4.7391	1.670	160.73	18.19	8.1
*S2	0.0833333	24.5047	1.888	144.92	4.85	1.7e+002
ETA2	0.0850736	1.0092	1.640	6.76	114.16	0.38
*MO3	0.1192421	0.5450	0.182	228.63	18.95	9
M3	0.1207671	0.2010	0.154	163.76	48.81	1.7
*MK3	0.1222921	0.2078	0.144	250.42	45.32	2.1
SK3	0.1251141	0.0718	0.138	164.50	141.19	0.27
*MN4	0.1595106	0.5849	0.157	349.61	19.64	14
*M4	0.1610228	1.8534	0.187	357.35	5.26	99
*SN4	0.1623326	0.2892	0.200	352.19	41.02	2.1
*MS4	0.1638447	0.7418	0.189	52.26	15.06	15
S4	0.1666667	0.0672	0.150	104.82	139.11	0.2
*2MK5	0.2028035	0.1286	0.089	109.52	31.72	2.1
*2SK5	0.2084474	0.2327	0.097	81.67	21.70	5.7
*2MN6	0.2400221	0.5540	0.278	228.93	32.13	4
*M6	0.2415342	1.5656	0.309	267.17	9.78	26
*2MS6	0.2443561	0.5231	0.249	326.34	29.53	4.4
2SM6	0.2471781	0.0512	0.217	21.31	220.98	0.056
3MK7	0.2833149	0.0135	0.032	178.65	164.53	0.17
M8	0.3220456	0.0735	0.053	236.95	35.44	1.9

Tidal Analysis of Pressure at LT-A

Depth: 28.5 m

Mooring Number: 6252

File Name: 6252var-alh.nc

nobs = 1981, ngood = 1981, record length (days) = 82.54

start time: 09-May-2000 14:58:07

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.88e+003, x trend= 0

var(x)= 9518.8635 var(xp)= 9475.7935 var(xres)= 47.3748

percent var predicted/var original= 99.5 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	2.1867	1.667	34.34	45.65	1.7
MSF	0.0028219	0.8303	1.332	190.79	110.00	0.39
ALP1	0.0343966	0.1958	0.673	97.00	216.92	0.085
2Q1	0.0357064	0.5944	0.805	166.34	99.59	0.55
*Q1	0.0372185	2.2810	1.101	173.40	21.63	4.3
*O1	0.0387307	11.5599	1.144	186.55	5.48	1e+002
NO1	0.0402686	0.8410	1.539	40.07	129.14	0.3
*K1	0.0417807	17.0451	0.924	201.93	3.25	3.4e+002
*J1	0.0432929	1.4192	0.900	205.03	35.25	2.5
OO1	0.0448308	0.4458	1.157	74.85	161.01	0.15
UPS1	0.0463430	0.5461	0.900	130.91	116.62	0.37
EPS2	0.0761773	1.0351	1.244	64.37	84.47	0.69
*MU2	0.0776895	4.9732	1.368	29.52	14.22	13
*N2	0.0789992	33.4663	1.512	77.97	2.20	4.9e+002
*M2	0.0805114	129.6295	1.425	106.91	0.61	8.3e+003
*L2	0.0820236	7.3108	1.118	151.77	8.25	43
*S2	0.0833333	15.2153	1.505	138.72	5.46	1e+002
ETA2	0.0850736	0.3007	0.933	253.70	184.57	0.1
*MO3	0.1192421	0.8119	0.198	211.36	13.43	17
*M3	0.1207671	0.2775	0.162	124.72	34.70	2.9
*MK3	0.1222921	0.5276	0.184	227.86	21.51	8.2
SK3	0.1251141	0.2371	0.176	249.19	46.21	1.8
*MN4	0.1595106	0.8719	0.146	342.89	8.94	35
*M4	0.1610228	1.5944	0.132	357.01	4.68	1.5e+002
*SN4	0.1623326	0.1817	0.120	198.55	51.45	2.3
*MS4	0.1638447	0.5635	0.134	46.28	13.00	18
S4	0.1666667	0.0529	0.117	99.95	136.43	0.2
*2MK5	0.2028035	0.1595	0.089	123.32	29.89	3.2
2SK5	0.2084474	0.1197	0.100	162.61	45.73	1.4
*2MN6	0.2400221	0.9187	0.248	234.60	15.84	14
*M6	0.2415342	1.4454	0.229	267.37	8.77	40
*2MS6	0.2443561	0.4692	0.229	327.61	27.86	4.2
2SM6	0.2471781	0.0848	0.200	7.45	140.59	0.18
3MK7	0.2833149	0.0183	0.030	300.06	114.18	0.36
*M8	0.3220456	0.0686	0.040	245.94	34.96	2.9

Tidal Analysis of Pressure at LT-A

Depth: 28.5 m

Mooring Number: 6322

File Name: 6322tcp-alh.nc

nobs = 3338, ngood = 3337, record length (days) = 139.08

start time: 27-Sep-2000 10:58:07

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.87e+003, x trend= 0

var(x)= 9544.6387 var(xp)= 9332.5551 var(xres)= 210.4818
 percent var predicted/var original= 97.8 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	3.4859	5.090	211.46	103.93	0.47
MSF	0.0028219	1.4981	4.491	129.31	166.47	0.11
ALP1	0.0343966	0.2822	0.832	99.81	191.74	0.11
2Q1	0.0357064	1.1925	1.306	256.11	65.27	0.83
*Q1	0.0372185	1.7682	1.225	193.31	44.54	2.1
*O1	0.0387307	11.4268	1.289	199.92	5.74	79
NO1	0.0402686	0.5239	1.535	243.23	178.31	0.12
*K1	0.0417807	14.6911	1.383	214.15	5.63	1.1e+002
J1	0.0432929	1.3423	1.064	230.43	54.19	1.6
OO1	0.0448308	1.6327	1.578	291.11	61.09	1.1
UPS1	0.0463430	0.6633	1.241	243.90	117.77	0.29
EPS2	0.0761773	0.7116	1.338	89.52	109.44	0.28
*MU2	0.0776895	2.8206	1.659	21.00	38.45	2.9
*N2	0.0789992	29.1431	1.887	105.62	3.91	2.4e+002
*M2	0.0805114	128.1678	1.996	135.62	0.84	4.1e+003
*L2	0.0820236	6.1782	1.909	181.45	14.63	10
*S2	0.0833333	19.9588	1.915	165.15	5.46	1.1e+002
ETA2	0.0850736	0.2845	1.180	133.73	218.08	0.058
*MO3	0.1192421	0.5153	0.228	264.74	23.56	5.1
M3	0.1207671	0.2096	0.210	177.70	60.84	1
*MK3	0.1222921	0.3646	0.209	281.74	33.63	3
*SK3	0.1251141	0.4893	0.213	6.36	28.64	5.3
*MN4	0.1595106	0.6769	0.134	50.65	11.96	25
*M4	0.1610228	1.3008	0.141	51.79	5.88	85
SN4	0.1623326	0.0585	0.120	270.80	145.16	0.24
*MS4	0.1638447	0.5028	0.149	91.32	17.03	11
S4	0.1666667	0.1721	0.150	188.86	51.36	1.3
*2MK5	0.2028035	0.1425	0.097	168.77	44.75	2.2
*2SK5	0.2084474	0.1819	0.113	46.71	38.39	2.6
*2MN6	0.2400221	0.7851	0.276	316.69	18.23	8.1
*M6	0.2415342	1.4301	0.249	350.78	10.75	33
*2MS6	0.2443561	0.4892	0.248	48.68	33.58	3.9
2SM6	0.2471781	0.0860	0.200	9.46	141.81	0.19
3MK7	0.2833149	0.0134	0.031	43.29	150.05	0.19
M8	0.3220456	0.0605	0.046	323.13	54.75	1.7

Tidal Analysis of Pressure at LT-A

Depth: 33.8 m

Mooring Number: 6382

File Name: 6382tcp-alh.nc

nobs = 2398, ngood = 2397, record length (days) = 99.92

start time: 13-Feb-2001 15:58:08

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.88e+003, x trend= 0

var(x)= 9270.0929 var(xp)= 9117.9448 var(xres)= 145.9385
 percent var predicted/var original= 98.4 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	3.1251	4.477	356.51	99.69	0.49
MSF	0.0028219	3.8247	4.370	285.97	72.95	0.77
ALP1	0.0343966	0.8142	1.135	338.18	99.08	0.52
2Q1	0.0357064	0.5747	1.033	169.29	111.65	0.31
Q1	0.0372185	1.3564	1.267	178.93	60.64	1.1
*O1	0.0387307	11.0318	1.456	188.76	8.21	57
NO1	0.0402686	1.7644	1.740	170.65	52.51	1
*K1	0.0417807	11.1539	1.389	202.32	7.19	65
J1	0.0432929	0.1796	0.876	95.12	242.31	0.042
OO1	0.0448308	0.5253	1.206	231.74	141.22	0.19
UPS1	0.0463430	0.3899	0.857	202.02	171.71	0.21
EPS2	0.0761773	0.6661	1.280	131.48	137.04	0.27
MU2	0.0776895	1.6510	1.509	180.53	59.42	1.2
*N2	0.0789992	29.9436	1.818	63.85	3.63	2.7e+002
*M2	0.0805114	129.5648	1.925	106.47	0.85	4.5e+003
*L2	0.0820236	6.0693	1.436	179.19	14.97	18
*S2	0.0833333	23.9751	1.984	143.48	4.59	1.5e+002
ETA2	0.0850736	0.5963	1.303	35.00	160.11	0.21
*MO3	0.1192421	0.4753	0.163	221.94	19.66	8.6
*M3	0.1207671	0.2603	0.160	146.49	37.28	2.6
MK3	0.1222921	0.1793	0.169	214.03	48.98	1.1
SK3	0.1251141	0.1032	0.146	161.45	77.00	0.5
*MN4	0.1595106	0.6104	0.203	330.96	18.30	9.1
*M4	0.1610228	1.6335	0.227	356.76	7.74	52
SN4	0.1623326	0.2685	0.224	46.01	44.23	1.4
*MS4	0.1638447	0.7991	0.228	46.14	14.06	12
S4	0.1666667	0.1241	0.175	100.61	95.98	0.5
2MK5	0.2028035	0.1340	0.096	98.69	43.59	1.9
*2SK5	0.2084474	0.2277	0.103	92.64	26.90	4.9
*2MN6	0.2400221	0.7508	0.218	203.41	18.50	12
*M6	0.2415342	1.4172	0.219	265.80	10.76	42
*2MS6	0.2443561	0.5982	0.229	310.26	21.52	6.8
2SM6	0.2471781	0.1401	0.188	356.92	95.38	0.56
3MK7	0.2833149	0.0179	0.038	61.93	149.41	0.23
*M8	0.3220456	0.0778	0.049	244.27	32.99	2.5

Tidal Analysis of Pressure at LT-A

Depth: 31.2 m

Mooring Number: 6452

File Name: 6452var-alh_d2.nc

nobs = 1486, ngood = 1485, record length (days) = 61.92

start time: 23-May-2001 14:58:43

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.03e+003, x trend= 0

var(x)= 9525.4972 var(xp)= 9494.0189 var(xres)= 27.8953

percent var predicted/var original= 99.7 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	0.5943	1.802	297.38	177.43	0.11
MSF	0.0028219	0.6010	1.850	86.99	152.73	0.11
ALP1	0.0343966	0.4670	0.707	129.19	110.70	0.44
2Q1	0.0357064	0.7269	0.710	201.76	75.51	1
*Q1	0.0372185	2.0595	0.900	177.26	25.77	5.2
*O1	0.0387307	11.7643	1.064	185.69	4.29	1.2e+002
NO1	0.0402686	0.5860	0.776	128.79	89.19	0.57
*K1	0.0417807	17.3498	0.969	202.27	2.99	3.2e+002
J1	0.0432929	0.9555	0.887	197.92	55.50	1.2
OO1	0.0448308	0.6033	0.845	261.87	92.83	0.51
UPS1	0.0463430	0.3317	0.680	211.31	134.31	0.24
EPS2	0.0761773	0.4318	1.266	151.18	179.94	0.12
*MU2	0.0776895	3.3344	1.621	345.07	31.15	4.2
*N2	0.0789992	29.2310	1.750	84.27	3.45	2.8e+002
*M2	0.0805114	129.0145	1.807	107.85	0.71	5.1e+003
*L2	0.0820236	6.2505	1.692	144.11	15.68	14
*S2	0.0833333	13.7389	1.949	138.21	8.05	50
ETA2	0.0850736	0.3354	1.142	301.79	171.29	0.086
*MO3	0.1192421	0.8929	0.206	211.20	13.28	19
*M3	0.1207671	0.3424	0.224	115.25	32.84	2.3
*MK3	0.1222921	0.5512	0.225	253.08	23.09	6
SK3	0.1251141	0.1633	0.189	256.24	69.44	0.75
*MN4	0.1595106	0.9880	0.201	342.48	11.47	24
*M4	0.1610228	1.6425	0.191	354.23	7.41	74
SN4	0.1623326	0.1610	0.182	276.85	62.18	0.79
*MS4	0.1638447	0.6032	0.167	30.42	17.31	13
S4	0.1666667	0.1329	0.169	101.52	79.36	0.62
2MK5	0.2028035	0.2154	0.160	147.67	40.03	1.8
2SK5	0.2084474	0.1748	0.156	154.48	45.34	1.3
*2MN6	0.2400221	0.8716	0.330	245.15	23.48	7
*M6	0.2415342	1.4768	0.336	270.04	13.64	19
2MS6	0.2443561	0.2964	0.292	320.47	62.78	1
2SM6	0.2471781	0.1047	0.258	8.34	176.95	0.16
3MK7	0.2833149	0.0324	0.080	51.48	161.38	0.16
M8	0.3220456	0.0553	0.070	287.35	87.26	0.62

Tidal Analysis of Pressure at LT-A

Depth: 13.9 m

Mooring Number: 6642

File Name: 6642sc-alh.nc

nobs = 2539, ngood = 2539, record length (days) = 105.79

start time: 23-Oct-2001 18:57:30

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 1.32e+003, x trend= 0

var(x)= 9110.2784 var(xp)= 8932.1822 var(xres)= 177.8725

percent var predicted/var original= 98.0 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	1.7478	4.858	180.21	166.12	0.13
MSF	0.0028219	1.4600	4.410	229.04	179.82	0.11
ALP1	0.0343966	0.6648	1.130	127.84	108.09	0.35
2Q1	0.0357064	0.3008	1.075	117.69	169.26	0.078
Q1	0.0372185	1.9101	1.415	183.50	41.73	1.8
*O1	0.0387307	10.8513	1.599	186.27	8.15	46
NO1	0.0402686	0.5769	0.935	203.82	111.38	0.38
*K1	0.0417807	16.4590	1.561	201.34	5.76	1.1e+002
J1	0.0432929	0.5238	0.974	295.81	142.43	0.29
OO1	0.0448308	0.0493	0.788	71.45	254.61	0.0039
UPS1	0.0463430	0.4158	0.894	178.56	150.26	0.22
EPS2	0.0761773	0.7234	1.020	93.22	104.09	0.5
*MU2	0.0776895	2.2075	1.407	292.13	36.60	2.5
*N2	0.0789992	26.7458	1.444	75.64	3.24	3.4e+002
*M2	0.0805114	128.4790	1.547	105.33	0.73	6.9e+003
*L2	0.0820236	5.9282	1.603	156.37	16.44	14
*S2	0.0833333	18.4182	1.411	131.28	4.26	1.7e+002
ETA2	0.0850736	0.1581	0.901	309.28	218.86	0.031
*MO3	0.1192421	0.4766	0.280	202.37	34.08	2.9
M3	0.1207671	0.3126	0.273	185.53	58.22	1.3
*MK3	0.1222921	0.5590	0.254	231.95	26.66	4.8
*SK3	0.1251141	0.4706	0.250	309.04	31.80	3.5
*MN4	0.1595106	0.6262	0.278	357.14	25.64	5.1
*M4	0.1610228	1.3644	0.249	356.45	12.05	30
SN4	0.1623326	0.0882	0.180	44.67	144.97	0.24
*MS4	0.1638447	0.5181	0.285	17.12	32.74	3.3
S4	0.1666667	0.2775	0.254	152.67	53.87	1.2
2MK5	0.2028035	0.0501	0.148	64.94	193.46	0.11
2SK5	0.2084474	0.1986	0.187	359.21	68.56	1.1
*2MN6	0.2400221	0.6421	0.308	201.24	29.59	4.4
*M6	0.2415342	1.5116	0.333	259.87	14.62	21
2MS6	0.2443561	0.4762	0.345	291.50	39.41	1.9
2SM6	0.2471781	0.1993	0.309	307.35	106.81	0.42
3MK7	0.2833149	0.0621	0.114	264.62	125.73	0.3
M8	0.3220456	0.2121	0.187	249.57	57.41	1.3

Tidal Analysis of Pressure at LT-A

Depth: 10.0 m

Mooring Number: 6822

File Name: 6822sc-alh.nc

nobs = 1626, ngood = 1625, record length (days) = 67.75

start time: 06-Feb-2002 17:02:38

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 1.23e+003, x trend= 0

var(x)= 9065.6873 var(xp)= 8927.8343 var(xres)= 137.411

percent var predicted/var original= 98.5 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	4.4080	5.660	250.98	82.91	0.61
MSF	0.0028219	2.5496	5.528	210.78	116.98	0.21
ALP1	0.0343966	0.4824	1.080	341.59	150.80	0.2
2Q1	0.0357064	0.6225	0.953	238.01	125.74	0.43
Q1	0.0372185	2.0051	1.434	168.53	45.99	2
*O1	0.0387307	11.2204	1.450	187.69	7.40	60
NO1	0.0402686	0.9781	1.111	181.12	62.83	0.78
*K1	0.0417807	11.0804	1.676	215.29	7.74	44
J1	0.0432929	0.5988	1.070	245.97	125.37	0.31
OO1	0.0448308	0.2560	0.840	167.90	205.00	0.093
UPS1	0.0463430	0.3629	0.979	157.80	175.56	0.14
EPS2	0.0761773	0.5381	1.340	47.87	161.27	0.16
*MU2	0.0776895	3.7029	1.733	34.36	26.53	4.6
*N2	0.0789992	34.5798	1.797	76.14	2.80	3.7e+002
*M2	0.0805114	127.5807	1.882	106.45	0.82	4.6e+003
*L2	0.0820236	10.8421	2.260	165.49	11.09	23
*S2	0.0833333	25.3089	1.550	150.89	3.98	2.7e+002
ETA2	0.0850736	0.3239	1.022	25.00	177.49	0.1
MO3	0.1192421	0.3167	0.308	210.59	54.23	1.1
*M3	0.1207671	0.4571	0.259	141.74	38.82	3.1
MK3	0.1222921	0.2674	0.287	233.85	62.08	0.87
SK3	0.1251141	0.2405	0.254	59.77	75.12	0.89
*MN4	0.1595106	0.7792	0.301	336.04	23.95	6.7
*M4	0.1610228	1.8273	0.304	3.20	9.39	36
SN4	0.1623326	0.2756	0.282	72.36	66.32	0.95
*MS4	0.1638447	0.8903	0.357	47.47	20.73	6.2
S4	0.1666667	0.2162	0.263	45.61	76.68	0.68
2MK5	0.2028035	0.2342	0.207	133.26	54.56	1.3
2SK5	0.2084474	0.2952	0.234	54.24	39.58	1.6
*2MN6	0.2400221	1.0631	0.444	221.77	24.29	5.7
*M6	0.2415342	1.2103	0.446	265.99	22.34	7.4
*2MS6	0.2443561	0.6642	0.392	328.10	40.48	2.9
2SM6	0.2471781	0.0645	0.276	344.42	239.54	0.055
3MK7	0.2833149	0.0818	0.168	8.92	116.87	0.24
M8	0.3220456	0.1931	0.211	192.67	71.07	0.84

Tidal Analysis of Pressure at LT-A

Depth: 30.9 m

Mooring Number: 6832

File Name: 6832var-alh_d1.nc

nobs = 2492, ngood = 2491, record length (days) = 103.83

start time: 06-Feb-2002 16:58:12

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.87e+003, x trend= 0

var(x)= 9139.2027 var(xp)= 9018.6693 var(xres)= 119.8877

percent var predicted/var original= 98.7 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	2.2536	4.003	270.32	113.27	0.32
MSF	0.0028219	1.8927	3.604	230.68	134.68	0.28
ALP1	0.0343966	0.2316	0.814	248.28	191.64	0.081
2Q1	0.0357064	0.3398	0.897	217.67	164.40	0.14
*Q1	0.0372185	2.1030	1.175	176.67	32.25	3.2
*O1	0.0387307	11.7188	1.075	186.19	5.95	1.2e+002
*NO1	0.0402686	1.2503	0.840	193.66	39.78	2.2
*K1	0.0417807	12.0489	1.063	203.83	5.07	1.3e+002
J1	0.0432929	0.6017	0.990	204.10	87.36	0.37
OO1	0.0448308	0.4549	0.706	239.07	123.05	0.41
UPS1	0.0463430	0.3917	0.823	195.70	137.60	0.23
EPS2	0.0761773	0.3288	1.219	117.64	206.80	0.073
*MU2	0.0776895	3.1789	1.490	53.86	32.72	4.6
*N2	0.0789992	33.6074	1.534	71.48	2.71	4.8e+002
*M2	0.0805114	128.0838	1.675	106.58	0.74	5.8e+003
*L2	0.0820236	9.7333	1.835	165.88	12.80	28
*S2	0.0833333	24.1630	1.602	144.92	4.28	2.3e+002
ETA2	0.0850736	0.5080	0.959	27.46	122.18	0.28
*MO3	0.1192421	0.4763	0.207	221.78	23.80	5.3
*M3	0.1207671	0.3551	0.203	152.93	33.59	3.1
MK3	0.1222921	0.2415	0.191	249.78	49.77	1.6
SK3	0.1251141	0.1127	0.164	140.79	105.37	0.47
*MN4	0.1595106	0.8064	0.178	333.54	14.00	20
*M4	0.1610228	1.7004	0.196	359.26	6.86	75
*SN4	0.1623326	0.2957	0.199	93.44	35.52	2.2
*MS4	0.1638447	0.8263	0.208	49.90	12.25	16
S4	0.1666667	0.1462	0.179	43.59	79.21	0.67
*2MK5	0.2028035	0.1672	0.102	112.97	34.84	2.7
*2SK5	0.2084474	0.1795	0.108	76.78	39.81	2.8
*2MN6	0.2400221	1.0410	0.208	218.17	11.62	25
*M6	0.2415342	1.2752	0.198	262.88	10.15	42
*2MS6	0.2443561	0.6977	0.196	320.33	17.11	13
2SM6	0.2471781	0.1625	0.208	355.35	76.58	0.61
3MK7	0.2833149	0.0350	0.042	123.55	76.85	0.71
M8	0.3220456	0.0515	0.049	236.40	68.64	1.1

Tidal Analysis of Pressure at LT-A

Depth: 10.0 m

Mooring Number: 6892

File Name: 6892sc-alh.nc

nobs = 3739, ngood = 3739, record length (days) = 155.79

start time: 21-May-2002 17:57:30

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 1.34e+003, x trend= 0

var(x)= 9154.35 var(xp)= 9041.2588 var(xres)= 117.6471

percent var predicted/var original= 98.8 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	1.0181	2.085	287.17	133.12	0.24
MSF	0.0028219	1.7050	2.601	179.61	102.76	0.43
ALP1	0.0343966	0.1754	0.624	21.36	201.70	0.079
2Q1	0.0357064	0.2344	0.598	250.77	154.84	0.15
*Q1	0.0372185	1.5435	0.925	169.21	34.21	2.8
*O1	0.0387307	11.4885	0.767	182.76	4.54	2.2e+002
NO1	0.0402686	0.9433	0.701	202.65	42.16	1.8
*K1	0.0417807	14.0640	1.000	205.10	3.27	2e+002
J1	0.0432929	0.6927	0.726	202.45	69.14	0.91
OO1	0.0448308	0.5836	0.636	194.59	64.53	0.84
UPS1	0.0463430	0.2418	0.469	291.70	135.42	0.27
EPS2	0.0761773	0.5213	1.306	69.69	178.27	0.16
MU2	0.0776895	1.6959	1.804	344.89	63.61	0.88
*N2	0.0789992	29.5659	1.938	78.77	3.39	2.3e+002
*M2	0.0805114	129.3576	1.795	106.03	0.79	5.2e+003
*L2	0.0820236	8.4390	2.534	148.55	15.65	11
*S2	0.0833333	18.2199	1.777	142.19	6.42	1.1e+002
ETA2	0.0850736	0.3593	1.091	290.71	171.93	0.11
*MO3	0.1192421	0.5342	0.140	210.60	15.70	14
*M3	0.1207671	0.3419	0.150	122.89	25.13	5.2
*MK3	0.1222921	0.4173	0.146	242.38	19.56	8.2
*SK3	0.1251141	0.2480	0.152	267.97	34.71	2.7
*MN4	0.1595106	0.6908	0.164	340.87	14.86	18
*M4	0.1610228	1.7253	0.150	350.30	4.99	1.3e+002
SN4	0.1623326	0.1375	0.156	328.31	57.66	0.78
*MS4	0.1638447	0.6177	0.165	42.22	13.95	14
S4	0.1666667	0.0314	0.107	135.28	184.79	0.086
*2MK5	0.2028035	0.1923	0.119	111.42	34.85	2.6
2SK5	0.2084474	0.1002	0.112	263.52	69.76	0.8
*2MN6	0.2400221	0.9192	0.254	231.57	14.66	13
*M6	0.2415342	1.6084	0.241	266.70	8.32	44
*2MS6	0.2443561	0.4352	0.223	328.77	29.35	3.8
2SM6	0.2471781	0.1051	0.180	19.41	149.34	0.34
3MK7	0.2833149	0.0046	0.059	331.68	231.92	0.0061
M8	0.3220456	0.0419	0.080	37.41	131.01	0.28

Tidal Analysis of Pressure at LT-A

Depth: 28.0 m

Mooring Number: 6902

File Name: 6902tcp-alh.nc

nobs = 3074, ngood = 3073, record length (days) = 128.08

start time: 21-May-2002 15:58:08

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.85e+003, x trend= 0

var(x)= 9175.6347 var(xp)= 9108.8078 var(xres)= 73.7829
percent var predicted/var original= 99.3 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	2.2809	3.155	273.19	90.19	0.52
MSF	0.0028219	0.8441	2.143	176.90	169.69	0.16
ALP1	0.0343966	0.1493	0.459	221.65	170.87	0.11
2Q1	0.0357064	0.1753	0.537	333.41	167.68	0.11
*Q1	0.0372185	1.5683	0.633	173.43	26.85	6.1
*O1	0.0387307	11.5330	0.726	184.79	3.44	2.5e+002
*NO1	0.0402686	0.9285	0.493	209.60	32.46	3.5
*K1	0.0417807	14.7478	0.717	208.25	2.63	4.2e+002
*J1	0.0432929	0.8828	0.590	193.06	48.34	2.2
OO1	0.0448308	0.3193	0.474	195.96	101.48	0.45
UPS1	0.0463430	0.2240	0.456	265.36	135.90	0.24
EPS2	0.0761773	0.4687	1.245	58.93	156.12	0.14
MU2	0.0776895	1.9058	1.809	315.03	53.49	1.1
*N2	0.0789992	28.3190	1.618	81.18	3.31	3.1e+002
*M2	0.0805114	130.0573	1.641	108.03	0.75	6.3e+003
*L2	0.0820236	7.8488	2.963	150.54	18.70	7
*S2	0.0833333	16.8102	1.724	147.32	5.87	95
ETA2	0.0850736	0.5831	1.124	267.04	120.03	0.27
*MO3	0.1192421	0.6250	0.105	209.49	10.03	35
*M3	0.1207671	0.3495	0.105	130.70	16.60	11
*MK3	0.1222921	0.4710	0.108	235.24	10.99	19
*SK3	0.1251141	0.2430	0.098	280.34	21.58	6.1
*MN4	0.1595106	0.7615	0.124	348.53	10.03	38
*M4	0.1610228	1.6507	0.117	350.84	4.46	2e+002
SN4	0.1623326	0.0815	0.101	306.91	88.69	0.65
*MS4	0.1638447	0.5431	0.125	45.16	11.77	19
S4	0.1666667	0.0496	0.100	136.66	146.27	0.25
*2MK5	0.2028035	0.1685	0.066	109.20	24.43	6.6
2SK5	0.2084474	0.0607	0.063	205.79	70.32	0.94
*2MN6	0.2400221	0.8606	0.227	240.77	14.49	14
*M6	0.2415342	1.6172	0.233	276.55	7.74	48
*2MS6	0.2443561	0.4071	0.245	334.89	32.02	2.8
2SM6	0.2471781	0.0625	0.145	24.16	167.22	0.18
3MK7	0.2833149	0.0325	0.024	59.74	51.85	1.8
*M8	0.3220456	0.0861	0.037	259.12	23.60	5.5

Tidal Analysis of Pressure at LT-A

Depth: 12.4 m

Mooring Number: 6962

File Name: 6962sc-alh.nc

nobs = 2240, ngood = 1350, record length (days) = 93.33

start time: 19-Nov-2002 01:57:38

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 1.32e+003, x trend= 0

var(x)= 9175.7331 var(xp)= 8882.4946 var(xres)= 296.4839
percent var predicted/var original= 96.8 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	5.2077	8.745	111.72	106.42	0.35
MSF	0.0028219	3.3646	7.958	352.11	162.46	0.18
ALP1	0.0343966	0.7174	1.329	163.88	128.34	0.29
2Q1	0.0357064	0.7086	1.408	331.09	126.85	0.25
Q1	0.0372185	1.9303	1.799	167.38	52.21	1.2
*O1	0.0387307	10.5852	1.651	191.94	9.89	41
NO1	0.0402686	0.9667	1.144	158.96	86.15	0.71
*K1	0.0417807	16.4826	1.687	198.91	5.67	95
J1	0.0432929	1.2055	1.638	265.09	79.65	0.54
OO1	0.0448308	1.5347	1.208	241.06	43.76	1.6
UPS1	0.0463430	0.3484	0.989	247.24	185.85	0.12
EPS2	0.0761773	0.7732	1.720	158.15	154.32	0.2
MU2	0.0776895	2.0584	2.196	136.87	67.18	0.88
*N2	0.0789992	27.5243	2.386	67.58	4.50	1.3e+002
*M2	0.0805114	130.1107	2.363	106.64	1.02	3e+003
*L2	0.0820236	5.2374	2.671	138.73	34.29	3.8
*S2	0.0833333	16.5929	2.134	132.81	7.58	60
ETA2	0.0850736	1.0576	1.460	202.42	109.83	0.52
MO3	0.1192421	0.7183	0.603	221.40	54.46	1.4
M3	0.1207671	0.4673	0.557	18.32	96.35	0.7
MK3	0.1222921	0.2882	0.486	311.68	128.92	0.35
SK3	0.1251141	0.7548	0.580	297.45	59.19	1.7
MN4	0.1595106	0.4888	0.587	335.54	87.59	0.69
*M4	0.1610228	1.8051	0.663	344.59	21.69	7.4
SN4	0.1623326	0.0792	0.451	30.38	211.89	0.031
MS4	0.1638447	0.4021	0.578	52.35	93.21	0.48
S4	0.1666667	0.2287	0.524	45.53	154.03	0.19
2MK5	0.2028035	0.0939	0.427	18.16	218.01	0.048
2SK5	0.2084474	0.2965	0.523	331.45	115.73	0.32
2MN6	0.2400221	0.7129	0.604	222.35	48.95	1.4
*M6	0.2415342	1.4037	0.622	271.16	23.84	5.1
2MS6	0.2443561	0.4010	0.553	346.07	83.41	0.53
2SM6	0.2471781	0.4324	0.551	51.35	67.71	0.62
3MK7	0.2833149	0.0687	0.370	242.34	212.66	0.035
M8	0.3220456	0.2001	0.426	206.18	141.28	0.22

Tidal Analysis of Pressure at LT-A

Depth: 29.3 m

Mooring Number: 6973

File Name: 6973Bysi-alh.nc

nobs = 2079, ngood = 2079, record length (days) = 86.63

start time: 01-Nov-2002 03:56:15

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 2.88e+003, x trend= 0

var(x)= 9476.8471 var(xp)= 9188.8533 var(xres)= 282.554

percent var predicted/var original= 97.0 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	6.1385	9.216	123.50	84.97	0.44
MSF	0.0028219	3.8389	6.729	338.64	121.37	0.33
ALP1	0.0343966	0.2677	1.120	3.10	198.69	0.057
2Q1	0.0357064	0.3911	1.154	253.03	170.57	0.11
Q1	0.0372185	1.2594	1.371	173.36	84.76	0.84
*O1	0.0387307	11.3836	1.538	190.77	7.69	55
NO1	0.0402686	0.2284	0.800	211.36	210.59	0.082
*K1	0.0417807	16.1142	1.632	197.97	5.36	97
J1	0.0432929	2.0534	1.603	232.39	49.61	1.6
OO1	0.0448308	1.2588	1.128	233.89	51.08	1.2
UPS1	0.0463430	0.5177	0.972	334.85	141.36	0.28
EPS2	0.0761773	0.7874	1.424	110.99	126.54	0.31
MU2	0.0776895	2.1905	1.778	110.50	51.56	1.5
*N2	0.0789992	28.7172	1.943	68.07	3.52	2.2e+002
*M2	0.0805114	130.0726	2.008	107.95	0.84	4.2e+003
*L2	0.0820236	6.7391	2.304	159.67	19.75	8.6
*S2	0.0833333	17.6488	1.829	132.13	5.73	93
ETA2	0.0850736	0.5447	1.183	222.03	124.17	0.21
*MO3	0.1192421	0.5915	0.331	221.19	32.37	3.2
*M3	0.1207671	0.4657	0.327	120.88	41.80	2
MK3	0.1222921	0.4099	0.304	251.79	49.47	1.8
*SK3	0.1251141	0.6459	0.331	333.40	29.80	3.8
*MN4	0.1595106	0.4855	0.314	326.34	35.92	2.4
*M4	0.1610228	1.4694	0.332	348.64	12.36	20
SN4	0.1623326	0.3171	0.272	24.80	56.82	1.4
*MS4	0.1638447	0.5218	0.299	32.00	33.66	3.1
S4	0.1666667	0.1497	0.262	114.08	109.68	0.33
2MK5	0.2028035	0.1779	0.273	97.48	116.64	0.43
2SK5	0.2084474	0.1043	0.278	17.78	155.89	0.14
*2MN6	0.2400221	0.8144	0.428	210.55	25.26	3.6
*M6	0.2415342	1.6572	0.386	269.37	12.63	18
*2MS6	0.2443561	0.4895	0.334	290.22	48.91	2.1
2SM6	0.2471781	0.0456	0.290	126.22	214.38	0.025
3MK7	0.2833149	0.0943	0.201	95.16	153.55	0.22
M8	0.3220456	0.2579	0.372	199.05	95.49	0.48

Tidal Analysis of Pressure at LT-A

Depth: 13.5 m

Mooring Number: 7073

File Name: 7073sc-alh.nc

nobs = 4263, ngood = 4263, record length (days) = 177.63

start time: 30-Mar-2003 22:57:30

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 1.35e+003, x trend= 0

var(x)= 8901.4866 var(xp)= 8809.2223 var(xres)= 92.1407
percent var predicted/var original= 99.0 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	1.0771	1.476	143.55	93.84	0.53
MSF	0.0028219	0.8627	1.470	175.11	121.03	0.34
ALP1	0.0343966	0.2547	0.610	143.85	177.78	0.17
2Q1	0.0357064	0.1588	0.575	112.87	194.46	0.076
*Q1	0.0372185	1.7623	0.888	159.69	28.31	3.9
*O1	0.0387307	11.3006	0.827	186.09	4.77	1.9e+002
*NO1	0.0402686	1.0006	0.671	199.98	40.38	2.2
*K1	0.0417807	14.0637	0.925	205.39	3.67	2.3e+002
J1	0.0432929	1.1611	1.030	222.81	46.32	1.3
OO1	0.0448308	0.5805	0.631	219.17	64.57	0.85
UPS1	0.0463430	0.0729	0.460	233.37	221.21	0.025
EPS2	0.0761773	0.6787	1.831	93.87	165.93	0.14
MU2	0.0776895	0.7559	1.828	110.19	140.32	0.17
*N2	0.0789992	29.9419	2.325	75.53	3.88	1.7e+002
*M2	0.0805114	130.2667	2.291	108.36	1.06	3.2e+003
*L2	0.0820236	5.9594	2.498	132.09	23.10	5.7
*S2	0.0833333	18.6214	2.319	144.10	6.49	64
ETA2	0.0850736	0.3798	1.477	347.23	199.83	0.066
*MO3	0.1192421	0.5674	0.116	214.45	13.12	24
M3	0.1207671	0.2217	0.158	112.80	37.22	2
*MK3	0.1222921	0.3732	0.139	232.80	23.11	7.3
*SK3	0.1251141	0.2313	0.129	282.56	30.02	3.2
*MN4	0.1595106	0.9506	0.184	343.13	10.67	27
*M4	0.1610228	1.9923	0.199	3.08	5.29	1e+002
SN4	0.1623326	0.1694	0.180	74.24	65.48	0.89
*MS4	0.1638447	0.7131	0.177	46.90	14.42	16
S4	0.1666667	0.0892	0.154	130.29	105.02	0.34
*2MK5	0.2028035	0.1888	0.089	107.58	25.12	4.5
2SK5	0.2084474	0.1151	0.093	218.98	48.68	1.5
*2MN6	0.2400221	0.8415	0.186	241.67	11.71	21
*M6	0.2415342	1.6331	0.199	276.72	6.33	67
*2MS6	0.2443561	0.4182	0.190	315.68	26.52	4.8
2SM6	0.2471781	0.2022	0.176	22.49	50.97	1.3
3MK7	0.2833149	0.0142	0.058	338.04	197.54	0.06
*M8	0.3220456	0.1728	0.106	209.64	33.06	2.7

Tidal Analysis of Pressure at LT-A

Depth: 28.3 m

Mooring Number: 7082

File Name: 7082var-alh_d2.nc

nobs = 4191, ngood = 4191, record length (days) = 174.63

start time: 30-Mar-2003 13:01:51

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.09e+003, x trend= 0

var(x)= 8966.8688 var(xp)= 8887.0066 var(xres)= 79.7631
percent var predicted/var original= 99.1 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	0.8645	1.290	122.18	94.99	0.45
MSF	0.0028219	0.9752	1.221	150.30	96.33	0.64
ALP1	0.0343966	0.1648	0.683	158.92	194.84	0.058
2Q1	0.0357064	0.1751	0.577	123.30	209.80	0.092
*Q1	0.0372185	1.8582	0.936	160.23	31.82	3.9
*O1	0.0387307	11.2313	0.911	185.54	4.66	1.5e+002
*NO1	0.0402686	1.0340	0.712	206.11	41.80	2.1
*K1	0.0417807	14.1884	0.949	204.59	3.36	2.2e+002
J1	0.0432929	1.1168	0.939	215.22	48.88	1.4
OO1	0.0448308	0.5538	0.551	212.40	68.05	1
UPS1	0.0463430	0.0671	0.461	277.67	247.62	0.021
EPS2	0.0761773	0.8397	1.949	98.27	145.46	0.19
MU2	0.0776895	0.8256	1.686	99.71	140.81	0.24
*N2	0.0789992	30.0380	2.358	75.11	4.34	1.6e+002
*M2	0.0805114	130.4132	2.342	107.62	1.12	3.1e+003
*L2	0.0820236	6.0014	2.489	129.67	24.05	5.8
*S2	0.0833333	18.4909	2.148	143.98	7.33	74
ETA2	0.0850736	0.2806	1.327	340.40	218.31	0.045
*MO3	0.1192421	0.5884	0.107	212.92	11.52	30
M3	0.1207671	0.1477	0.123	132.11	47.86	1.4
*MK3	0.1222921	0.4981	0.126	238.59	15.46	16
SK3	0.1251141	0.1513	0.110	254.89	46.40	1.9
*MN4	0.1595106	0.8330	0.132	335.83	9.30	40
*M4	0.1610228	1.7173	0.129	354.86	4.05	1.8e+002
SN4	0.1623326	0.1122	0.133	88.50	66.37	0.72
*MS4	0.1638447	0.6377	0.128	44.54	9.78	25
S4	0.1666667	0.0582	0.116	105.65	122.85	0.25
*2MK5	0.2028035	0.1418	0.058	116.90	25.06	5.9
*2SK5	0.2084474	0.1012	0.057	183.01	32.82	3.1
*2MN6	0.2400221	0.8947	0.166	236.60	10.31	29
*M6	0.2415342	1.5385	0.174	272.53	6.63	78
*2MS6	0.2443561	0.4832	0.174	331.18	19.27	7.8
2SM6	0.2471781	0.1009	0.141	8.11	94.87	0.51
3MK7	0.2833149	0.0189	0.028	88.82	90.54	0.46
*M8	0.3220456	0.0797	0.039	223.64	28.82	4.2

Tidal Analysis of Pressure at LT-A

Depth: 13.0 m

Mooring Number: 7163

File Name: 7163sc-alh.nc

nobs = 3213, ngood = 3213, record length (days) = 133.88

start time: 24-Sep-2003 16:57:30

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 1.3e+003, x trend= 0

var(x)= 9319.6551 var(xp)= 9038.7625 var(xres)= 281.7227
percent var predicted/var original= 97.0 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	1.8587	6.130	228.62	202.39	0.092
MSF	0.0028219	4.9548	7.609	347.50	104.88	0.42
ALP1	0.0343966	0.3109	0.915	332.57	157.69	0.12
2Q1	0.0357064	0.2059	0.859	189.65	239.53	0.057
*Q1	0.0372185	2.2245	1.263	143.95	29.91	3.1
*O1	0.0387307	11.1971	1.281	188.54	5.60	76
NO1	0.0402686	0.7705	0.978	192.48	108.80	0.62
*K1	0.0417807	14.0472	1.127	199.62	5.07	1.6e+002
J1	0.0432929	1.1682	1.206	208.54	67.39	0.94
OO1	0.0448308	0.1504	0.638	181.35	229.22	0.056
UPS1	0.0463430	0.2729	0.641	328.65	168.76	0.18
EPS2	0.0761773	1.0545	1.863	75.17	116.82	0.32
*MU2	0.0776895	3.7603	2.438	57.21	37.28	2.4
*N2	0.0789992	32.6008	2.652	78.46	3.74	1.5e+002
*M2	0.0805114	130.2111	2.246	107.60	1.07	3.4e+003
*L2	0.0820236	5.4222	1.783	135.17	22.00	9.2
*S2	0.0833333	19.4674	2.333	134.81	7.01	70
ETA2	0.0850736	0.6585	1.473	222.76	160.08	0.2
*MO3	0.1192421	0.4425	0.257	234.16	35.84	3
M3	0.1207671	0.0531	0.251	91.92	210.55	0.045
MK3	0.1222921	0.3943	0.286	242.25	43.34	1.9
SK3	0.1251141	0.3633	0.277	321.95	49.37	1.7
*MN4	0.1595106	0.7913	0.327	337.89	24.04	5.8
*M4	0.1610228	1.4925	0.357	359.92	12.57	17
SN4	0.1623326	0.2121	0.312	63.84	85.64	0.46
*MS4	0.1638447	0.5409	0.322	38.22	38.76	2.8
S4	0.1666667	0.2295	0.276	68.74	86.49	0.69
2MK5	0.2028035	0.3039	0.525	99.42	123.04	0.33
2SK5	0.2084474	0.1797	0.448	340.75	169.49	0.16
*2MN6	0.2400221	0.9037	0.455	237.10	29.24	3.9
*M6	0.2415342	1.4503	0.366	259.27	18.00	16
2MS6	0.2443561	0.4731	0.418	313.27	50.51	1.3
2SM6	0.2471781	0.1645	0.345	38.98	133.91	0.23
3MK7	0.2833149	0.1222	0.320	348.67	157.77	0.15
M8	0.3220456	0.0607	0.315	193.81	223.20	0.037

Tidal Analysis of Pressure at LT-A

Depth: 31.7 m

Mooring Number: 7173

File Name: 7173advBs-callh.nc

nobs = 2835, ngood = 2835, record length (days) = 118.13

start time: 06-Dec-2003 23:00:01

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.04e+003, x trend= 0

var(x)= 9309.6089 var(xp)= 9084.6886 var(xres)= 226.3365

percent var predicted/var original= 97.6 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	2.7565	3.867	155.40	100.25	0.51
MSF	0.0028219	3.0080	4.434	341.06	97.49	0.46
ALP1	0.0343966	0.3568	0.822	116.05	158.06	0.19
2Q1	0.0357064	0.2361	0.735	316.29	193.93	0.1
*Q1	0.0372185	1.6839	1.110	148.05	36.85	2.3
*O1	0.0387307	11.2458	0.999	190.64	5.46	1.3e+002
NO1	0.0402686	1.2813	1.214	246.90	50.38	1.1
*K1	0.0417807	14.0399	1.149	212.13	4.58	1.5e+002
J1	0.0432929	1.1514	0.834	244.57	49.38	1.9
OO1	0.0448308	0.6226	0.737	225.65	74.65	0.71
UPS1	0.0463430	0.5530	0.705	23.24	85.34	0.62
EPS2	0.0761773	1.3553	2.115	80.66	99.04	0.41
MU2	0.0776895	1.6683	2.225	169.34	87.24	0.56
*N2	0.0789992	28.1804	2.373	69.62	4.51	1.4e+002
*M2	0.0805114	133.5706	2.082	105.76	0.92	4.1e+003
*L2	0.0820236	3.3416	1.817	148.89	28.81	3.4
*S2	0.0833333	21.4625	2.224	150.57	5.60	93
ETA2	0.0850736	0.3608	1.382	296.18	202.28	0.068
*MO3	0.1192421	0.4936	0.156	225.12	19.98	10
M3	0.1207671	0.1987	0.201	187.45	67.20	0.98
*MK3	0.1222921	0.5607	0.178	249.98	19.34	10
*SK3	0.1251141	0.3274	0.166	356.40	31.87	3.9
*MN4	0.1595106	0.5138	0.214	337.28	25.49	5.8
*M4	0.1610228	1.6415	0.229	347.85	8.03	51
SN4	0.1623326	0.3043	0.226	48.01	43.71	1.8
*MS4	0.1638447	0.5202	0.219	40.06	24.17	5.7
S4	0.1666667	0.1246	0.170	166.34	91.01	0.54
*2MK5	0.2028035	0.1968	0.127	91.06	35.42	2.4
*2SK5	0.2084474	0.1848	0.126	49.63	36.34	2.1
*2MN6	0.2400221	0.7472	0.329	217.29	23.54	5.1
*M6	0.2415342	1.6974	0.302	254.47	9.14	32
*2MS6	0.2443561	0.5619	0.262	324.27	29.18	4.6
2SM6	0.2471781	0.1549	0.242	37.16	99.22	0.41
3MK7	0.2833149	0.0455	0.062	164.17	81.87	0.54
*M8	0.3220456	0.1250	0.067	227.99	29.84	3.5

Tidal Analysis of Pressure at LT-A

Depth: 12.3 m

Mooring Number: 7553

File Name: 7553sc-alh.nc

nobs = 2494, ngood = 2493, record length (days) = 103.92

start time: 05-Feb-2004 16:57:30

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 1.3e+003, x trend= 0

var(x)= 9407.4694 var(xp)= 9264.4749 var(xres)= 144.0777

percent var predicted/var original= 98.5 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	1.7226	4.366	86.16	148.51	0.16
MSF	0.0028219	1.9773	4.363	277.52	144.42	0.21
ALP1	0.0343966	0.4853	0.732	174.52	112.29	0.44
2Q1	0.0357064	0.5766	0.880	353.20	109.35	0.43
*Q1	0.0372185	1.8915	1.080	170.01	28.08	3.1
*O1	0.0387307	11.4986	1.164	188.91	4.83	98
NO1	0.0402686	0.7319	0.998	230.68	100.89	0.54
*K1	0.0417807	11.7160	1.195	201.49	4.82	96
J1	0.0432929	1.2657	1.068	215.27	45.33	1.4
OO1	0.0448308	0.6818	0.757	218.44	66.50	0.81
UPS1	0.0463430	0.2163	0.556	69.27	159.53	0.15
EPS2	0.0761773	0.4383	1.560	267.46	201.82	0.079
*MU2	0.0776895	3.1969	1.915	288.53	42.33	2.8
*N2	0.0789992	26.2608	1.910	80.93	4.26	1.9e+002
*M2	0.0805114	132.2041	2.026	105.16	0.92	4.3e+003
*L2	0.0820236	3.6959	1.757	125.08	25.69	4.4
*S2	0.0833333	24.8117	1.898	141.71	4.89	1.7e+002
ETA2	0.0850736	0.6156	1.223	119.82	138.09	0.25
*MO3	0.1192421	0.6553	0.299	210.05	26.55	4.8
M3	0.1207671	0.1855	0.292	130.55	109.25	0.4
*MK3	0.1222921	0.4253	0.274	233.81	45.45	2.4
SK3	0.1251141	0.0167	0.221	0.50	257.11	0.0057
*MN4	0.1595106	0.8446	0.389	359.08	27.44	4.7
*M4	0.1610228	1.7823	0.331	354.29	11.13	29
SN4	0.1623326	0.1626	0.277	321.05	117.64	0.35
*MS4	0.1638447	0.7555	0.356	44.69	26.21	4.5
S4	0.1666667	0.0373	0.221	33.61	228.34	0.029
2MK5	0.2028035	0.3300	0.375	137.21	76.77	0.78
2SK5	0.2084474	0.3113	0.326	67.27	64.96	0.91
2MN6	0.2400221	0.4782	0.422	238.40	51.19	1.3
*M6	0.2415342	1.3687	0.404	259.04	15.50	12
2MS6	0.2443561	0.4844	0.368	317.22	49.53	1.7
2SM6	0.2471781	0.3231	0.366	288.45	72.87	0.78
3MK7	0.2833149	0.1597	0.319	84.25	130.89	0.25
M8	0.3220456	0.1785	0.312	155.48	118.62	0.33

Tidal Analysis of Pressure at LT-A

Depth: 29.5 m

Mooring Number: 7563

File Name: 7563var-alh_d2.nc

nobs = 2494, ngood = 2493, record length (days) = 103.92

start time: 05-Feb-2004 15:57:54

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.99e+003, x trend= 0

var(x)= 9405.0167 var(xp)= 9269.6662 var(xres)= 133.8926

percent var predicted/var original= 98.6 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	2.0396	3.813	101.08	152.01	0.29
MSF	0.0028219	2.0039	4.421	276.49	140.41	0.21
ALP1	0.0343966	0.5139	0.799	176.06	116.74	0.41
2Q1	0.0357064	0.5394	0.860	13.15	106.17	0.39
*Q1	0.0372185	1.9402	1.109	173.97	30.76	3.1
*O1	0.0387307	11.5598	0.978	189.71	5.55	1.4e+002
NO1	0.0402686	0.7144	0.960	231.44	86.16	0.55
*K1	0.0417807	11.7184	1.021	202.35	5.21	1.3e+002
J1	0.0432929	1.2016	0.942	219.95	49.39	1.6
OO1	0.0448308	0.6970	0.709	222.46	71.30	0.97
UPS1	0.0463430	0.1708	0.507	79.57	175.23	0.11
EPS2	0.0761773	0.5501	1.450	282.58	187.87	0.14
MU2	0.0776895	3.0732	2.212	290.36	41.81	1.9
*N2	0.0789992	26.2345	2.154	82.83	4.21	1.5e+002
*M2	0.0805114	132.2719	2.054	107.26	0.83	4.1e+003
*L2	0.0820236	3.7216	1.692	126.63	26.50	4.8
*S2	0.0833333	24.7012	1.972	143.63	4.89	1.6e+002
ETA2	0.0850736	0.5810	1.158	124.82	161.67	0.25
*MO3	0.1192421	0.5856	0.153	216.68	16.32	15
M3	0.1207671	0.1649	0.163	151.11	65.80	1
*MK3	0.1222921	0.4061	0.166	242.03	21.68	6
SK3	0.1251141	0.0213	0.114	12.55	227.50	0.035
*MN4	0.1595106	0.7279	0.146	351.20	10.83	25
*M4	0.1610228	1.6868	0.146	356.36	5.24	1.3e+002
SN4	0.1623326	0.1329	0.125	319.11	61.76	1.1
*MS4	0.1638447	0.7308	0.133	45.65	10.69	30
S4	0.1666667	0.0888	0.118	131.83	75.05	0.56
*2MK5	0.2028035	0.1990	0.101	94.99	31.10	3.9
*2SK5	0.2084474	0.2373	0.094	85.36	24.38	6.3
*2MN6	0.2400221	0.6764	0.303	243.64	24.56	5
*M6	0.2415342	1.4579	0.280	263.39	9.74	27
*2MS6	0.2443561	0.6211	0.265	323.82	24.74	5.5
2SM6	0.2471781	0.0650	0.171	20.50	178.49	0.14
3MK7	0.2833149	0.0167	0.038	158.18	137.61	0.2
M8	0.3220456	0.0691	0.053	211.72	44.75	1.7

Tidal Analysis of Pressure at LT-A

Depth: 10.8 m

Mooring Number: 7662

File Name: 7662sc-alh.nc

nobs = 1595, ngood = 1594, record length (days) = 66.46

start time: 19-May-2004 17:57:30

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 1.34e+003, x trend= 0

var(x)= 9060.6654 var(xp)= 7707.8134 var(xres)= 1366.56

percent var predicted/var original= 85.1 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	0.9306	1.390	291.60	89.95	0.45
MSF	0.0028219	0.3862	1.255	268.65	177.54	0.095
ALP1	0.0343966	0.9948	0.975	318.50	64.90	1
2Q1	0.0357064	1.0736	1.015	172.11	65.52	1.1
*Q1	0.0372185	2.7721	0.994	151.38	20.12	7.8
*O1	0.0387307	11.2362	0.856	182.18	5.14	1.7e+002
NO1	0.0402686	1.0572	1.192	178.04	76.42	0.79
*K1	0.0417807	16.7774	1.120	199.59	3.67	2.2e+002
J1	0.0432929	0.4288	0.825	221.40	124.59	0.27
OO1	0.0448308	0.1024	0.514	133.07	233.35	0.04
UPS1	0.0463430	0.3348	0.523	356.06	141.05	0.41
EPS2	0.0761773	7.1651	8.790	231.40	87.77	0.66
MU2	0.0776895	9.8457	9.569	135.67	56.95	1.1
*N2	0.0789992	41.2237	10.489	59.88	13.83	15
*M2	0.0805114	121.7375	10.036	101.98	4.24	1.5e+002
L2	0.0820236	10.0932	7.316	78.95	43.74	1.9
*S2	0.0833333	22.5380	9.634	114.41	23.28	5.5
ETA2	0.0850736	8.5914	7.552	248.04	49.94	1.3
*MO3	0.1192421	1.5560	0.455	207.28	16.31	12
M3	0.1207671	0.6600	0.558	303.44	49.56	1.4
MK3	0.1222921	0.1613	0.340	210.91	128.37	0.23
SK3	0.1251141	0.5509	0.487	358.27	47.26	1.3
*MN4	0.1595106	0.7883	0.519	268.71	39.33	2.3
*M4	0.1610228	1.1430	0.534	2.32	27.17	4.6
SN4	0.1623326	0.5511	0.536	14.25	62.20	1.1
MS4	0.1638447	0.5874	0.476	324.52	51.07	1.5
S4	0.1666667	0.2314	0.383	318.27	124.71	0.36
*2MK5	0.2028035	0.5857	0.147	86.71	16.16	16
2SK5	0.2084474	0.0813	0.124	275.09	99.87	0.43
*2MN6	0.2400221	1.0451	0.303	226.69	16.32	12
*M6	0.2415342	1.6779	0.316	258.98	10.04	28
*2MS6	0.2443561	0.7169	0.271	316.05	21.06	7
2SM6	0.2471781	0.3325	0.276	74.01	48.92	1.4
3MK7	0.2833149	0.0415	0.091	41.73	143.58	0.21
M8	0.3220456	0.1673	0.126	309.74	44.55	1.8

Tidal Analysis of Pressure at LT-A

Depth: 31.3 m

Mooring Number: 7674

File Name: 7674advs-callh.nc

nobs = 3020, ngood = 3019, record length (days) = 125.83

start time: 19-May-2004 16:37:31

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.87e+003, x trend= 0

var(x)= 8930.515 var(xp)= 8859.1198 var(xres)= 75.8514

percent var predicted/var original= 99.2 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	1.1363	1.326	285.91	80.94	0.73
MSF	0.0028219	0.8247	1.204	163.82	96.93	0.47
ALP1	0.0343966	0.1695	0.517	238.84	178.74	0.11
2Q1	0.0357064	0.3554	0.572	138.04	114.23	0.39
*Q1	0.0372185	2.2232	0.835	156.20	21.21	7.1
*O1	0.0387307	11.3356	0.786	184.81	3.60	2.1e+002
NO1	0.0402686	0.7732	0.912	178.46	65.68	0.72
*K1	0.0417807	15.0142	0.845	209.53	3.35	3.2e+002
J1	0.0432929	0.6065	0.805	221.83	73.34	0.57
OO1	0.0448308	0.4678	0.456	221.92	57.67	1.1
UPS1	0.0463430	0.1627	0.427	175.82	160.64	0.15
EPS2	0.0761773	1.7187	1.670	98.14	74.07	1.1
*MU2	0.0776895	2.6927	1.741	111.16	40.30	2.4
*N2	0.0789992	30.9104	1.929	72.93	3.40	2.6e+002
*M2	0.0805114	131.4426	1.847	108.30	0.89	5.1e+003
*L2	0.0820236	4.3595	1.168	155.16	18.52	14
*S2	0.0833333	17.0776	1.563	149.93	5.95	1.2e+002
ETA2	0.0850736	0.2448	0.957	30.42	206.91	0.065
*MO3	0.1192421	0.6147	0.133	206.66	12.49	21
M3	0.1207671	0.0838	0.117	95.20	100.73	0.52
*MK3	0.1222921	0.4606	0.129	245.54	15.95	13
*SK3	0.1251141	0.2354	0.152	287.19	29.64	2.4
*MN4	0.1595106	0.7478	0.162	344.08	14.52	21
*M4	0.1610228	1.6686	0.165	357.58	6.54	1e+002
SN4	0.1623326	0.2274	0.169	90.28	42.44	1.8
*MS4	0.1638447	0.5520	0.136	49.40	20.05	16
S4	0.1666667	0.0531	0.126	117.20	138.34	0.18
*2MK5	0.2028035	0.1843	0.066	114.05	20.84	7.9
*2SK5	0.2084474	0.0967	0.063	201.48	41.32	2.3
*2MN6	0.2400221	0.9457	0.200	225.74	10.92	22
*M6	0.2415342	1.5866	0.220	274.56	7.51	52
*2MS6	0.2443561	0.5146	0.213	325.95	21.67	5.8
2SM6	0.2471781	0.1062	0.159	25.09	96.55	0.44
3MK7	0.2833149	0.0200	0.023	345.65	78.80	0.75
*M8	0.3220456	0.0728	0.034	259.80	26.52	4.7

Tidal Analysis of Pressure at LT-A

Depth: 10.5 m

Mooring Number: 7743

File Name: 7743sc-alh.nc

nobs = 2294, ngood = 1500, record length (days) = 95.58

start time: 22-Sep-2004 16:57:35

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 1.33e+003, x trend= 0

var(x)= 7449.6293 var(xp)= 3099.7867 var(xres)= 4448.8999

percent var predicted/var original= 41.6 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	12.6182	12.166	321.21	52.03	1.1
MSF	0.0028219	6.9767	10.685	351.22	92.12	0.43
ALP1	0.0343966	10.1289	8.104	169.35	55.35	1.6
2Q1	0.0357064	4.6458	7.657	36.12	96.96	0.37
Q1	0.0372185	6.3027	7.992	260.85	91.15	0.62
*O1	0.0387307	20.1840	8.793	191.94	26.47	5.3
NO1	0.0402686	11.1139	11.661	222.71	62.08	0.91
K1	0.0417807	6.0406	9.006	152.54	100.08	0.45
J1	0.0432929	11.2214	9.053	92.87	50.72	1.5
OO1	0.0448308	4.6881	5.794	214.99	89.85	0.65
UPS1	0.0463430	7.1415	6.489	145.13	54.87	1.2
EPS2	0.0761773	2.6945	3.723	105.70	108.76	0.52
MU2	0.0776895	2.0594	3.655	84.02	112.54	0.32
*N2	0.0789992	14.2899	4.039	75.04	18.06	13
*M2	0.0805114	72.6845	4.052	109.26	3.58	3.2e+002
*L2	0.0820236	4.6248	3.113	81.45	36.41	2.2
*S2	0.0833333	15.4889	4.410	140.86	15.62	12
ETA2	0.0850736	3.7037	3.223	247.44	55.16	1.3
MO3	0.1192421	2.1256	2.056	233.90	65.44	1.1
M3	0.1207671	2.8093	2.995	198.45	66.99	0.88
MK3	0.1222921	2.0629	2.220	15.22	82.75	0.86
SK3	0.1251141	1.6655	2.434	198.28	104.52	0.47
MN4	0.1595106	1.5671	1.461	257.66	57.47	1.2
*M4	0.1610228	2.8340	1.638	203.15	30.54	3
*SN4	0.1623326	3.3085	1.340	257.98	25.59	6.1
*MS4	0.1638447	2.6448	1.550	201.67	36.13	2.9
*S4	0.1666667	2.4865	1.393	197.29	33.94	3.2
*2MK5	0.2028035	0.9584	0.672	44.68	53.66	2
2SK5	0.2084474	0.6075	0.682	355.69	74.69	0.79
2MN6	0.2400221	0.8024	0.716	240.84	56.67	1.3
M6	0.2415342	1.0115	0.750	255.84	48.70	1.8
2MS6	0.2443561	0.9469	0.738	314.97	48.10	1.6
2SM6	0.2471781	0.5719	0.569	302.99	67.21	1
3MK7	0.2833149	0.5529	0.401	155.26	51.72	1.9
M8	0.3220456	0.3958	0.294	134.79	39.96	1.8

Tidal Analysis of Pressure at LT-A

Depth: 31.1 m

Mooring Number: 7752

File Name: 7752advs-callh.nc

nobs = 1294, ngood = 1293, record length (days) = 53.92

start time: 22-Sep-2004 15:57:31

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.15e+003, x trend= 0

var(x)= 8822.2702 var(xp)= 8686.6485 var(xres)= 134.0046
percent var predicted/var original= 98.5 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	6.4328	7.213	65.27	68.02	0.8
MSF	0.0028219	1.1385	6.177	354.51	208.68	0.034
ALP1	0.0343966	0.1729	0.759	117.37	214.23	0.052
2Q1	0.0357064	0.2264	0.855	226.10	163.93	0.07
*Q1	0.0372185	1.9098	1.071	159.95	35.08	3.2
*O1	0.0387307	11.3101	1.082	188.19	5.44	1.1e+002
NO1	0.0402686	1.4617	1.420	197.68	55.41	1.1
*K1	0.0417807	11.5195	1.097	187.60	5.16	1.1e+002
J1	0.0432929	0.5655	0.969	200.24	98.75	0.34
OO1	0.0448308	0.8519	0.792	251.88	59.90	1.2
UPS1	0.0463430	0.1263	0.484	233.01	202.32	0.068
EPS2	0.0761773	0.7648	1.831	148.08	164.18	0.17
*MU2	0.0776895	3.2977	2.243	299.40	42.05	2.2
*N2	0.0789992	24.3323	2.167	83.77	4.86	1.3e+002
*M2	0.0805114	129.7992	2.361	107.30	1.02	3e+003
*L2	0.0820236	3.4942	1.796	132.39	29.29	3.8
*S2	0.0833333	24.7809	2.349	127.47	4.64	1.1e+002
ETA2	0.0850736	0.4460	1.586	341.00	178.72	0.079
*MO3	0.1192421	0.4183	0.212	227.31	33.01	3.9
M3	0.1207671	0.1433	0.246	82.63	136.73	0.34
MK3	0.1222921	0.3408	0.250	239.06	46.00	1.9
*SK3	0.1251141	0.3897	0.249	280.70	36.09	2.4
*MN4	0.1595106	0.5446	0.181	0.75	18.34	9
*M4	0.1610228	1.4182	0.195	349.29	7.29	53
SN4	0.1623326	0.2272	0.187	299.59	43.06	1.5
*MS4	0.1638447	0.5218	0.178	23.47	22.14	8.6
S4	0.1666667	0.0723	0.135	78.55	120.02	0.29
2MK5	0.2028035	0.0860	0.098	124.81	66.96	0.76
*2SK5	0.2084474	0.2137	0.098	283.27	26.22	4.8
*2MN6	0.2400221	0.6366	0.409	238.87	36.19	2.4
*M6	0.2415342	1.5802	0.392	264.71	13.70	16
2MS6	0.2443561	0.4734	0.355	304.52	47.97	1.8
2SM6	0.2471781	0.1089	0.283	284.03	169.77	0.15
3MK7	0.2833149	0.0215	0.038	355.57	139.77	0.32
M8	0.3220456	0.0649	0.067	270.23	68.12	0.93

Tidal Analysis of Pressure at LT-A

Depth: 10.5 m

Mooring Number: 7763

File Name: 7763sc-alh.nc

nobs = 2346, ngood = 2344, record length (days) = 97.75

start time: 09-Feb-2005 18:57:35

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 1.34e+003, x trend= 0

var(x)= 9182.6037 var(xp)= 9002.2011 var(xres)= 200.5823
percent var predicted/var original= 98.0 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	2.1313	4.323	205.33	146.70	0.24
MSF	0.0028219	2.1632	5.469	53.65	163.23	0.16
ALP1	0.0343966	0.1932	0.607	291.35	214.66	0.1
2Q1	0.0357064	0.5906	0.830	295.76	102.65	0.51
*Q1	0.0372185	1.5267	1.022	158.75	39.79	2.2
*O1	0.0387307	11.6441	1.001	185.97	4.48	1.4e+002
NO1	0.0402686	0.7582	0.864	205.93	101.94	0.77
*K1	0.0417807	11.6805	1.007	205.27	4.86	1.3e+002
J1	0.0432929	0.8969	1.013	163.37	64.85	0.78
OO1	0.0448308	0.7491	0.677	266.96	56.26	1.2
UPS1	0.0463430	0.2648	0.547	229.55	137.01	0.23
EPS2	0.0761773	0.8720	2.061	146.20	141.90	0.18
MU2	0.0776895	2.4680	2.287	241.62	56.31	1.2
*N2	0.0789992	25.6035	2.322	69.40	5.75	1.2e+002
*M2	0.0805114	133.0091	2.450	106.91	0.92	2.9e+003
L2	0.0820236	2.2570	1.611	184.12	44.65	2
*S2	0.0833333	25.2650	2.386	143.10	5.40	1.1e+002
ETA2	0.0850736	0.3101	1.269	265.14	199.76	0.06
*MO3	0.1192421	0.5034	0.244	212.75	33.54	4.3
M3	0.1207671	0.0986	0.285	304.17	134.24	0.12
MK3	0.1222921	0.3130	0.301	257.08	60.68	1.1
SK3	0.1251141	0.0882	0.218	312.70	164.82	0.16
MN4	0.1595106	0.5335	0.417	344.87	44.23	1.6
*M4	0.1610228	1.8573	0.398	352.66	12.64	22
SN4	0.1623326	0.1756	0.260	4.83	111.39	0.46
*MS4	0.1638447	0.8691	0.408	32.48	25.41	4.5
S4	0.1666667	0.0944	0.283	26.83	172.43	0.11
2MK5	0.2028035	0.0461	0.224	141.15	229.77	0.042
2SK5	0.2084474	0.1919	0.263	61.40	96.13	0.53
*2MN6	0.2400221	0.7401	0.479	203.97	37.44	2.4
*M6	0.2415342	1.6724	0.514	269.03	14.55	11
*2MS6	0.2443561	0.7772	0.451	323.02	32.79	3
2SM6	0.2471781	0.4354	0.412	354.34	55.22	1.1
3MK7	0.2833149	0.1113	0.233	9.06	142.05	0.23
M8	0.3220456	0.2595	0.320	309.25	84.87	0.66

Tidal Analysis of Pressure at LT-A

Depth: 30.8 m

Mooring Number: 7775

File Name: 7775-alh.nc

nobs = 2347, ngood = 2347, record length (days) = 97.79

start time: 09-Feb-2005 17:58:26

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.13e+003, x trend= 0

var(x)= 9171.4066 var(xp)= 9017.0008 var(xres)= 157.1557
percent var predicted/var original= 98.3 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	1.6863	4.874	221.12	180.12	0.12
MSF	0.0028219	1.6128	4.351	50.24	168.51	0.14
ALP1	0.0343966	0.0502	0.629	354.98	260.25	0.0064
2Q1	0.0357064	0.4779	0.718	304.25	114.06	0.44
*Q1	0.0372185	1.7307	0.788	161.91	31.98	4.8
*O1	0.0387307	11.7525	0.884	185.24	3.85	1.8e+002
NO1	0.0402686	0.6912	0.958	201.09	86.74	0.52
*K1	0.0417807	11.7917	0.892	204.44	4.32	1.7e+002
J1	0.0432929	0.8367	0.844	175.55	64.90	0.98
OO1	0.0448308	0.7205	0.531	254.74	52.95	1.8
UPS1	0.0463430	0.2581	0.516	247.14	128.50	0.25
EPS2	0.0761773	0.8649	1.399	131.70	129.71	0.38
*MU2	0.0776895	2.4662	1.636	238.19	48.95	2.3
*N2	0.0789992	25.7087	2.170	68.85	3.70	1.4e+002
*M2	0.0805114	133.1397	2.098	106.22	0.91	4e+003
*L2	0.0820236	2.2303	1.316	180.85	38.92	2.9
*S2	0.0833333	25.4588	2.062	142.11	4.08	1.5e+002
ETA2	0.0850736	0.2726	1.083	258.88	206.49	0.063
*MO3	0.1192421	0.4805	0.152	209.21	20.08	10
M3	0.1207671	0.1063	0.166	259.63	101.06	0.41
*MK3	0.1222921	0.3320	0.187	255.61	25.42	3.2
SK3	0.1251141	0.0367	0.117	269.76	197.68	0.099
*MN4	0.1595106	0.6233	0.237	349.38	20.22	6.9
*M4	0.1610228	1.8340	0.219	353.02	7.18	70
SN4	0.1623326	0.2660	0.220	22.96	44.88	1.5
*MS4	0.1638447	0.7735	0.241	35.00	15.17	10
S4	0.1666667	0.0226	0.145	93.58	212.88	0.024
*2MK5	0.2028035	0.1391	0.094	117.30	42.72	2.2
*2SK5	0.2084474	0.1677	0.090	86.15	31.28	3.5
*2MN6	0.2400221	0.6460	0.270	209.44	19.78	5.7
*M6	0.2415342	1.5738	0.257	261.01	9.61	37
*2MS6	0.2443561	0.6689	0.233	313.29	23.16	8.2
2SM6	0.2471781	0.1684	0.197	350.64	87.76	0.73
3MK7	0.2833149	0.0052	0.034	119.60	215.57	0.024
*M8	0.3220456	0.1151	0.054	254.52	27.81	4.6

Tidal Analysis of Pressure at LT-A

Depth: 31.9 m

Mooring Number: 7776

File Name: 7776advs-callh.nc

nobs = 2344, ngood = 2343, record length (days) = 97.67

start time: 09-Feb-2005 17:37:26

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.13e+003, x trend= 0

var(x)= 9182.2555 var(xp)= 9038.0357 var(xres)= 164.081

percent var predicted/var original= 98.4 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	1.6622	4.871	220.90	179.85	0.12
MSF	0.0028219	1.6374	5.130	50.42	169.73	0.1
ALP1	0.0343966	0.0321	0.552	340.35	243.08	0.0034
2Q1	0.0357064	0.4726	0.862	301.57	116.14	0.3
*Q1	0.0372185	1.7386	0.825	161.22	30.79	4.4
*O1	0.0387307	11.7412	0.807	185.31	4.46	2.1e+002
NO1	0.0402686	0.7037	1.000	203.14	91.58	0.5
*K1	0.0417807	11.7954	0.928	204.35	4.76	1.6e+002
J1	0.0432929	0.8114	0.924	175.47	69.43	0.77
OO1	0.0448308	0.7103	0.624	253.84	52.79	1.3
UPS1	0.0463430	0.2566	0.447	250.28	112.25	0.33
EPS2	0.0761773	0.8930	1.911	131.92	142.88	0.22
MU2	0.0776895	2.4471	2.425	238.39	55.55	1
*N2	0.0789992	25.7316	2.195	68.82	4.54	1.4e+002
*M2	0.0805114	133.1347	2.077	106.22	1.02	4.1e+003
L2	0.0820236	2.2137	1.753	181.00	43.70	1.6
*S2	0.0833333	25.4849	2.193	142.11	4.43	1.4e+002
ETA2	0.0850736	0.2581	1.153	256.09	225.52	0.05
*MO3	0.1192421	0.4631	0.157	209.19	19.17	8.7
M3	0.1207671	0.0941	0.157	246.94	121.26	0.36
*MK3	0.1222921	0.3414	0.160	254.09	29.47	4.5
SK3	0.1251141	0.0173	0.103	271.46	205.59	0.028
*MN4	0.1595106	0.6135	0.215	350.43	21.56	8.2
*M4	0.1610228	1.8552	0.231	352.89	6.41	64
SN4	0.1623326	0.2764	0.202	21.33	46.43	1.9
*MS4	0.1638447	0.7564	0.230	34.46	17.50	11
S4	0.1666667	0.0363	0.148	103.42	188.25	0.06
2MK5	0.2028035	0.1298	0.107	116.65	52.51	1.5
*2SK5	0.2084474	0.1769	0.090	83.19	28.36	3.9
*2MN6	0.2400221	0.6531	0.255	209.34	25.49	6.6
*M6	0.2415342	1.5658	0.262	261.11	10.11	36
*2MS6	0.2443561	0.6711	0.278	314.27	23.34	5.8
2SM6	0.2471781	0.1626	0.241	349.12	85.29	0.46
3MK7	0.2833149	0.0137	0.038	87.53	160.21	0.13
*M8	0.3220456	0.1169	0.046	254.81	26.63	6.5

Tidal Analysis of Pressure at LT-A

Depth: 33.2 m

Mooring Number: 7864

File Name: 7864adv-s-callh.nc

nobs = 3110, ngood = 3109, record length (days) = 129.58

start time: 18-May-2005 14:37:31

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 4.21e+003, x trend= 0

var(x)= 9244.4332 var(xp)= 9142.5107 var(xres)= 95.6815

percent var predicted/var original= 98.9 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	2.0885	1.769	309.20	56.04	1.4
MSF	0.0028219	1.1951	1.929	36.21	81.77	0.38
ALP1	0.0343966	0.4446	0.645	174.95	110.22	0.47
2Q1	0.0357064	0.1839	0.577	226.14	206.34	0.1
*Q1	0.0372185	2.0066	0.897	167.13	25.52	5
*O1	0.0387307	11.8032	0.747	186.17	4.53	2.5e+002
NO1	0.0402686	0.8060	0.713	161.71	61.10	1.3
*K1	0.0417807	14.8537	0.877	208.44	3.42	2.9e+002
J1	0.0432929	0.9175	0.902	176.47	56.29	1
OO1	0.0448308	0.5621	0.589	226.80	57.62	0.91
UPS1	0.0463430	0.0309	0.420	281.82	258.49	0.0054
EPS2	0.0761773	0.6664	1.689	76.68	160.61	0.16
MU2	0.0776895	2.8891	2.118	51.59	44.77	1.9
*N2	0.0789992	31.3160	1.891	78.93	3.84	2.7e+002
*M2	0.0805114	131.8498	2.132	107.45	0.85	3.8e+003
*L2	0.0820236	4.4176	1.535	170.27	27.25	8.3
*S2	0.0833333	17.1570	1.874	147.89	6.60	84
ETA2	0.0850736	0.6122	1.268	147.52	126.01	0.23
*MO3	0.1192421	0.6113	0.116	209.61	10.61	28
M3	0.1207671	0.0700	0.114	322.95	111.60	0.38
*MK3	0.1222921	0.4768	0.123	236.59	15.41	15
*SK3	0.1251141	0.1765	0.110	261.42	39.77	2.6
*MN4	0.1595106	0.8695	0.159	341.08	10.84	30
*M4	0.1610228	1.6868	0.135	353.78	4.76	1.6e+002
SN4	0.1623326	0.1452	0.126	168.91	74.17	1.3
*MS4	0.1638447	0.5589	0.159	40.86	15.87	12
S4	0.1666667	0.0515	0.111	159.45	134.90	0.22
*2MK5	0.2028035	0.1344	0.080	104.44	39.68	2.8
2SK5	0.2084474	0.1124	0.083	190.96	42.64	1.9
*2MN6	0.2400221	1.0013	0.162	236.74	10.81	38
*M6	0.2415342	1.6536	0.178	271.31	7.15	86
*2MS6	0.2443561	0.5417	0.201	327.78	19.98	7.3
2SM6	0.2471781	0.0525	0.130	19.64	166.12	0.16
3MK7	0.2833149	0.0180	0.023	27.46	91.34	0.64
*M8	0.3220456	0.0787	0.036	240.94	24.93	4.8

Tidal Analysis of Pressure at LT-A

Depth: 31.4 m

Mooring Number: 8052

File Name: 8052sc-alh.nc

nobs = 3205, ngood = 3190, record length (days) = 133.54

start time: 28-Sep-2005 00:37:34

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 3.23e+003, x trend= 0

var(x)= 9043.7087 var(xp)= 8822.801 var(xres)= 220.5452

percent var predicted/var original= 97.6 %

tidal amplitude and phase with 95% CI estimates

tide	freq	amp	amp_err	pha	pha_err	snr
MM	0.0015122	3.4005	4.203	348.64	80.20	0.65
MSF	0.0028219	0.9938	3.198	210.84	203.55	0.097
ALP1	0.0343966	0.4391	0.978	167.80	128.41	0.2
2Q1	0.0357064	0.1229	0.900	208.45	242.73	0.019
Q1	0.0372185	1.5284	1.162	165.79	45.21	1.7
*O1	0.0387307	11.2681	1.206	183.11	5.88	87
NO1	0.0402686	0.7057	0.830	163.97	90.37	0.72
*K1	0.0417807	15.4549	1.221	195.32	4.85	1.6e+002
J1	0.0432929	0.9451	1.199	238.17	82.01	0.62
OO1	0.0448308	0.4227	0.629	202.40	121.59	0.45
UPS1	0.0463430	0.4827	0.672	221.17	95.95	0.52
EPS2	0.0761773	0.2577	1.461	295.87	228.26	0.031
MU2	0.0776895	1.1576	2.083	315.10	108.06	0.31
*N2	0.0789992	26.1595	1.970	72.07	4.68	1.8e+002
*M2	0.0805114	131.5579	2.149	100.20	0.94	3.7e+003
L2	0.0820236	2.9462	2.264	174.36	46.58	1.7
*S2	0.0833333	19.6477	1.993	125.99	6.51	97
ETA2	0.0850736	0.5133	1.237	122.84	169.51	0.17
*MO3	0.1192421	0.5456	0.206	210.32	19.76	7
M3	0.1207671	0.2026	0.234	58.08	79.82	0.75
*MK3	0.1222921	0.4528	0.237	237.30	27.90	3.6
*SK3	0.1251141	0.5841	0.201	314.34	19.43	8.4
*MN4	0.1595106	0.5886	0.264	328.37	25.73	5
*M4	0.1610228	1.6885	0.230	332.14	8.53	54
SN4	0.1623326	0.0315	0.157	28.19	222.85	0.041
*MS4	0.1638447	0.7059	0.242	17.89	21.42	8.5
S4	0.1666667	0.2074	0.234	119.91	52.47	0.79
2MK5	0.2028035	0.2079	0.195	63.97	60.08	1.1
2SK5	0.2084474	0.0609	0.147	323.51	146.40	0.17
*2MN6	0.2400221	0.6518	0.350	205.70	35.19	3.5
*M6	0.2415342	1.8071	0.369	239.40	12.31	24
*2MS6	0.2443561	0.5577	0.308	282.08	35.51	3.3
2SM6	0.2471781	0.1691	0.294	239.09	117.52	0.33
3MK7	0.2833149	0.0477	0.141	349.52	173.12	0.11
*M8	0.3220456	0.3420	0.176	257.75	33.18	3.8